

SONY®

PORTABLE VIDEOCASSETTE RECORDER

BVW-50

BETACAM SP

MAINTENANCE MANUAL

Volume 2 4th Edition (Revised 6)

Serial No. 10436 and Higher (JAPAN)

Serial No. 10645 and Higher (USA CANADA)

⚠ 警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

⚠ WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegebenen Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

Table of Contents

Volume-1

1. SERVICE INFORMATION
2. PERIODIC CHECK AND MAINTENANCE
3. REPLACEMENT AND ADJUSTMENT OF MAJOR PART
4. TAPE PATH ADJUSTMENT
5. POWER SUPPLY AND SYSTEM CONTROL ALIGNMENT
6. SERVO SYSTEM ALIGNMENT
7. AUDIO SYSTEM ALIGNMENT
8. VIDEO SYSTEM ALIGNMENT

Volume-2

9. BLOCK DIAGRAM

Overall	9-2
Y/C Separator, CTDM ————	
Y/C Modulator ————	9-4
PB RF Process ————	
Y/C Demodulator ————	9-8
Time Base Corrector	9-10
Video Input/Select ————	
Meter Driver ————	9-13
Function Keyboard ————	
LNG Audio REC/PB System ————	9-14
AFM REC/PB System ————	
System Control ————	9-16
Time Code Generator/Reader ————	
Drum/Capstan/Reel Servo	9-18

10. SEMICONDUCTOR PIN ASSIGNMENT

Semiconductor Index	10-1
IC	10-3
Transistor	10-20
Diode	10-21

11. SCHEMATIC DIAGRAM

Circuit Function of the Printed Wiring	
Boards	11-1
Part Location	11-2
VIDEO	
PA-119	11-6
LD-39	11-7
VRP-1 (1/9)	11-10
VRP-1 (2/9)	11-14
VRP-1 (3/9)	11-18
VRP-1 (4/9)	11-20
VRP-1 (5/9)	11-22
VRP-1 (6/9)	11-25
VRP-1 (7/9)	11-28
VRP-1 (8/9)	11-32
VRP-1 (9/9)	11-34
TBC-19 (1/6)	11-36
TBC-19 (2/6)	11-40
TBC-19 (3/6)	11-44
TBC-19 (4/6)	11-48
TBC-19 (5/6)	11-52
TBC-19 (6/6)	11-56
CC-47	11-59
AUDIO	
AU-142 (1/4)	11-60
AU-142 (2/4)	11-62
AU-142 (3/4)	11-64
AU-142 (4/4)	11-67
VR-118	11-68
CP-164/A (1/3)	11-70
CP-164/A (2/3)	11-72
CP-164/A (3/3)	11-74
DUS-339 ————	
FE-11 ————	11-75

SERVO&SYSTEM CONTROL

SST-1 (1/3)	11-76
SST-1 (2/3)	11-78
SST-1 (3/3)	11-80
CS-25 ————	
CS-26 ————	11-82
SE-158	11-83
DET-15 ————	
TR-57 ————	11-84
KY-207 (1/2)	11-85
KY-207 (2/2)	11-86

POWER

BC-23 ————	
DC-52 ————	
FU-52 ————	11-87
PSW-12A, 12B	11-88

OTHER

MB-335 (1/2)	11-90
MB-335 (2/2)	11-92
FRAME (1/2) ————	
AH-30 ————	
AH-31 ————	
CON-18 ————	
SR-50 ————	
FRAME (2/2) ————	
DR-63 ————	11-94
FRAME (2/2) ————	
DR-63 ————	11-96

12. PRINTED WIRING BOARD

Circuit Function of the Printed Wiring

Boards	12-1
--------------	------

VIDEO

PA-119 ————	
LD-39 ————	12-2
VRP-1	12-4
TBC-19	12-8
CC-47	12-10

AUDIO

AU-142	12-12
VR-118	12-14
DUS-339 ————	
FE-11 ————	12-15
CP-164/A	12-16

SERVO & SYSTEM CONTROL

SST-1	12-18
CS-25 ————	
CS-26 ————	12-20
SE-158	12-21

DET-15 ————	
TR-57 ————	12-22
KY-207	12-23

POWER

BC-23 ————	
DC-52 ————	
FU-52 ————	12-24
PSW-12A, 12B	12-25, 26

OTHER

MB-335	12-28
CON-18 ————	
SR-50 ————	12-26

13. SPARE PART AND FIXTURE

13-1. Notes on Repair Parts	13-1
13-2. Exploded View	13-2
Ornamental Panel Block	13-4
Front Panel Block	13-6
Connector Panel Block	13-8
Chassis and Printed Circuit Board Block ..	13-10
Cassette Compartment Block	13-12
Belt Block	13-14
Reel Table Block	13-16
Tension Regulator and Full Erase	
Head Block	13-18
Head Drum and Tape Guide Block	13-20
Stationary Head and Capstan Block	13-22
Pinch Press and S Reel Motor Block	13-24
Threading Ring Block	13-26
Gear and T Reel Motor Block	13-28
13-3. Electrical Part List	13-30
13-4. Packing Materials and Supplied	
Accessories	13-61
13-5. Optional Fixture	13-61

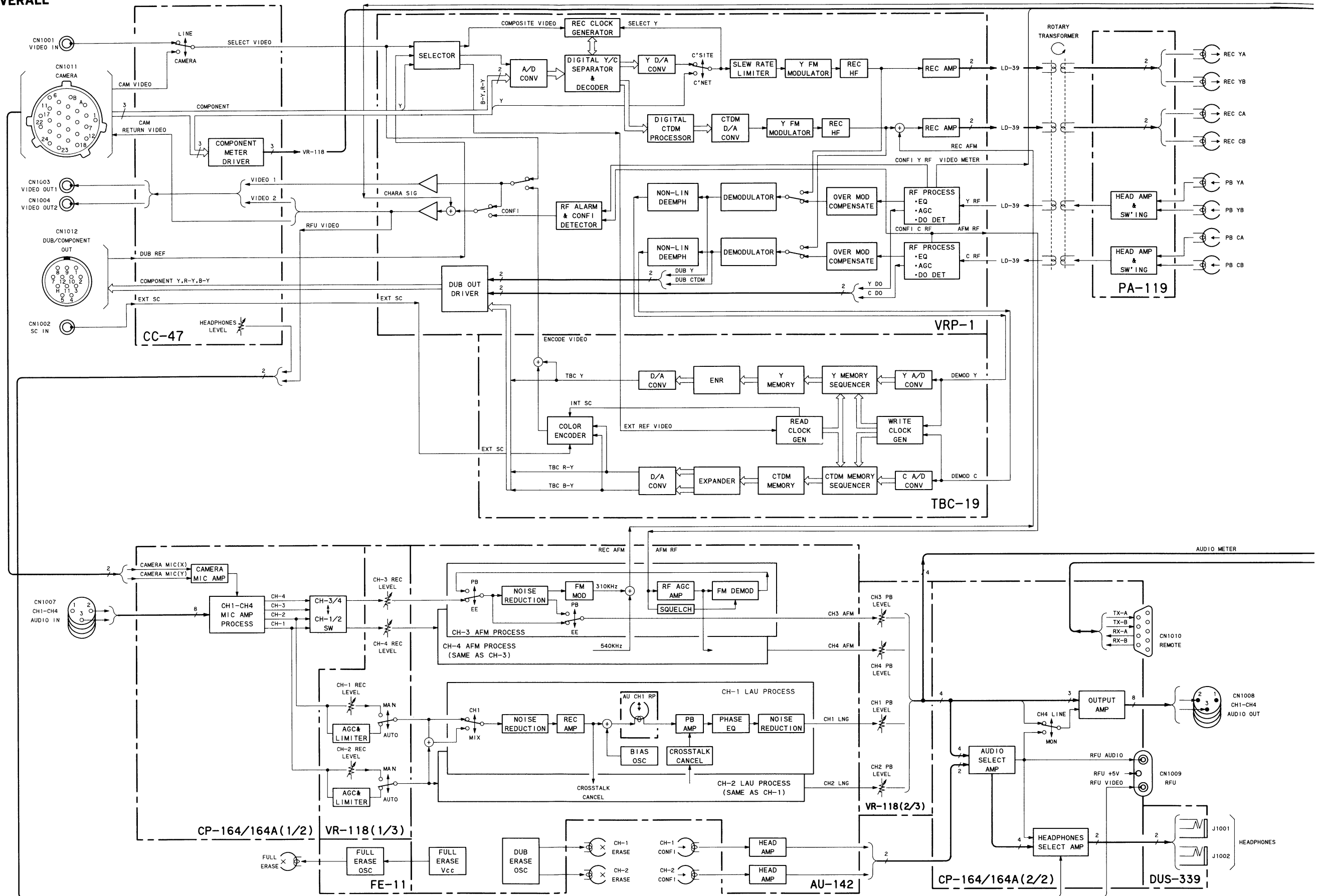
14. CHANGED PART

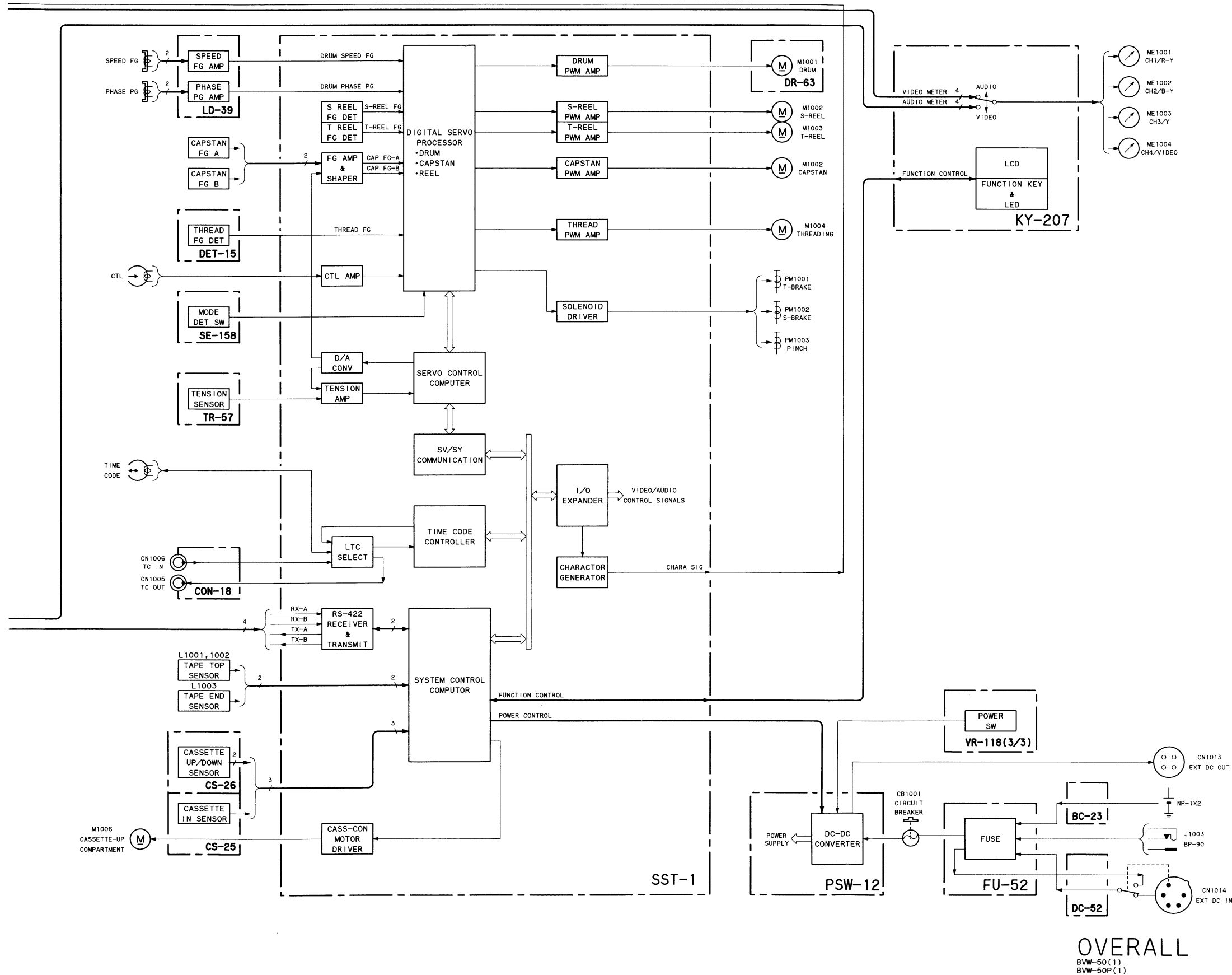
14-1. Changed Part List	14-1
-------------------------------	------

Section 9

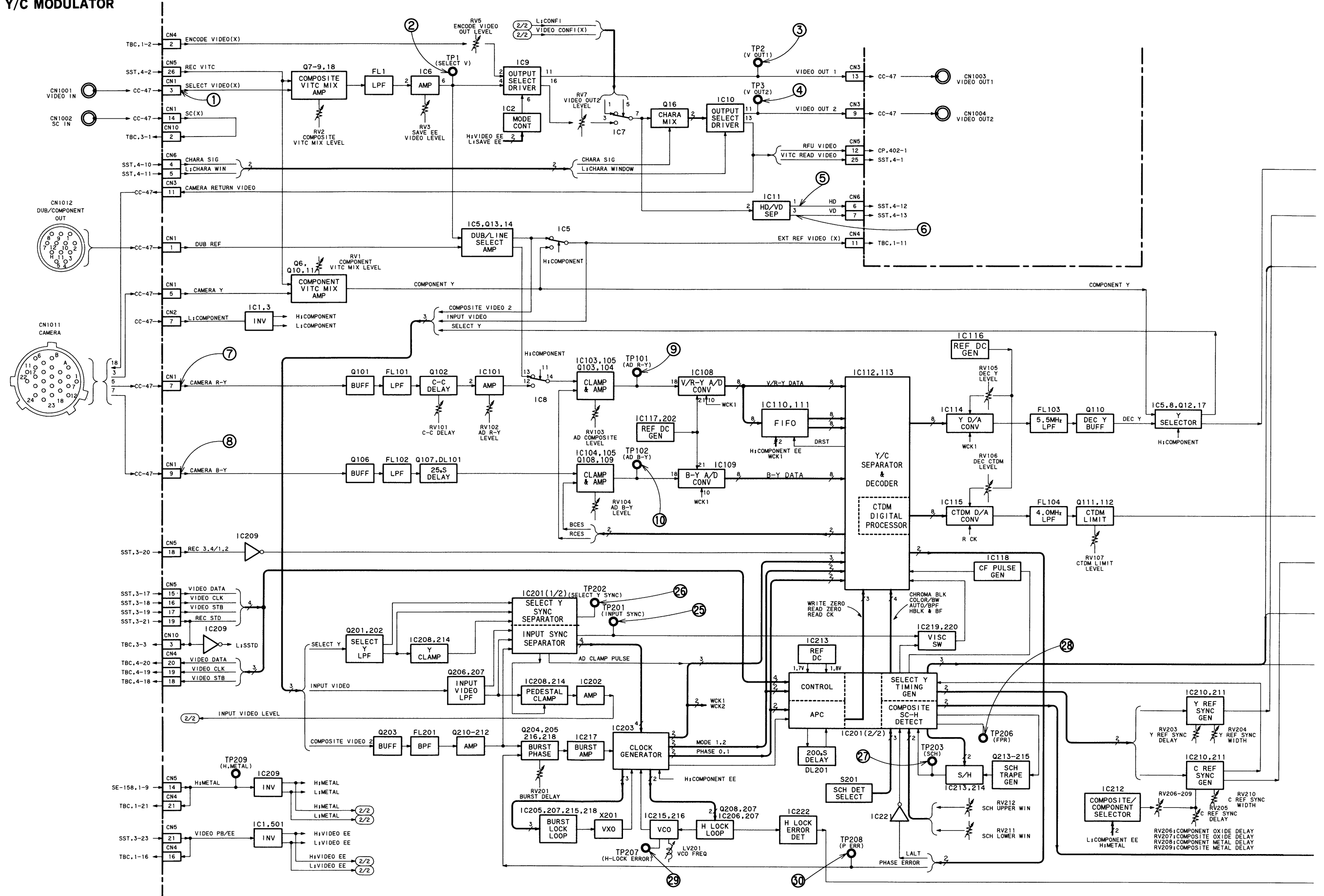
Block Diagram

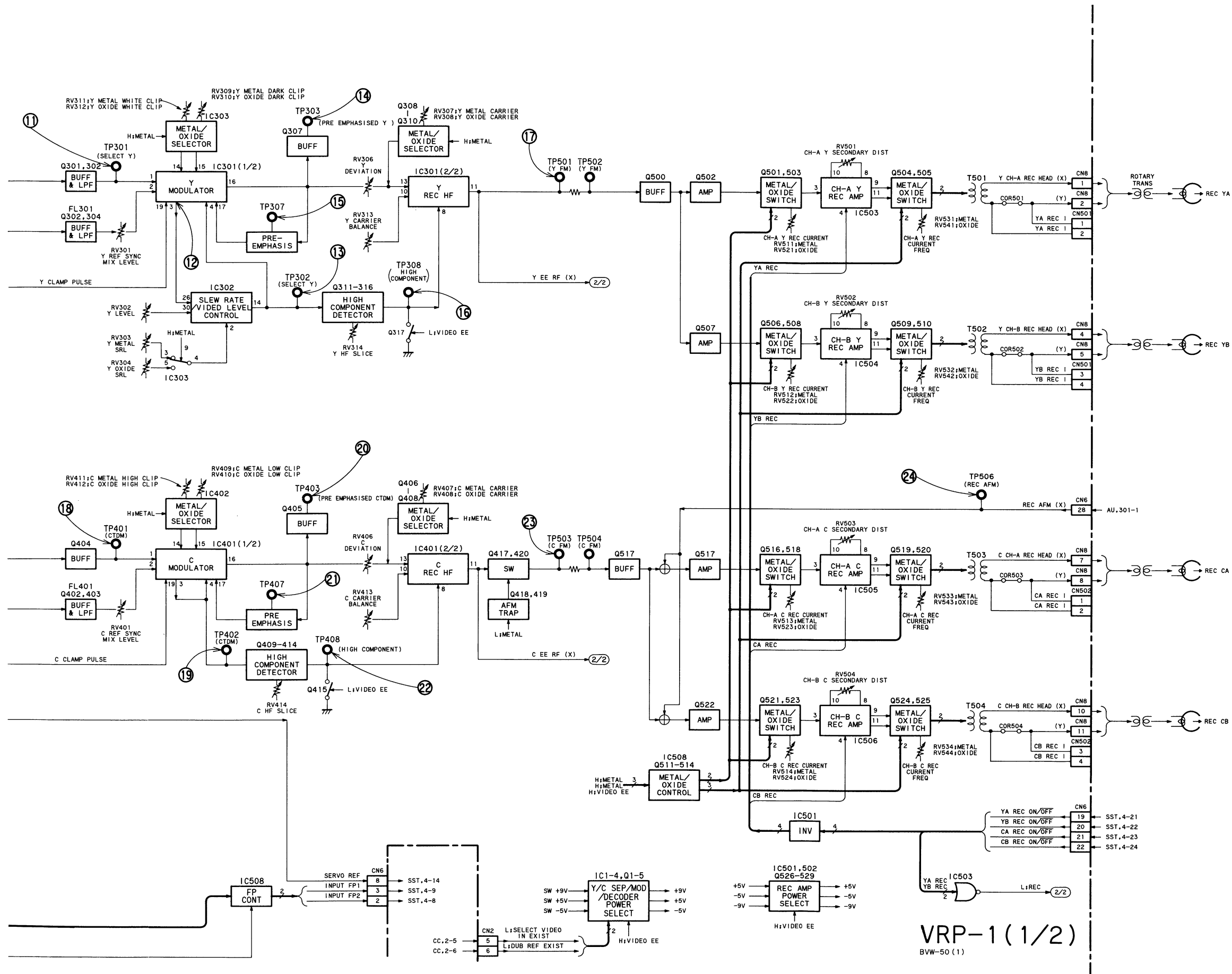
OVERALL



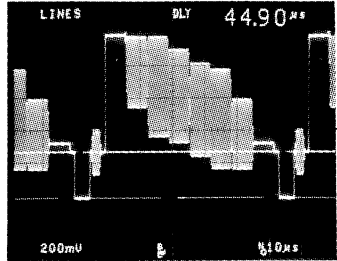


Y/C SEPARATOR, CTDM
Y/C MODULATOR

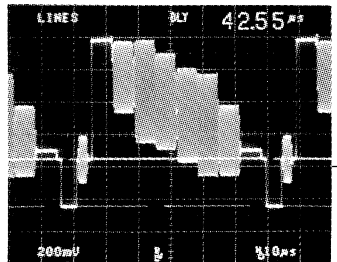




① CN1-3
② TP1

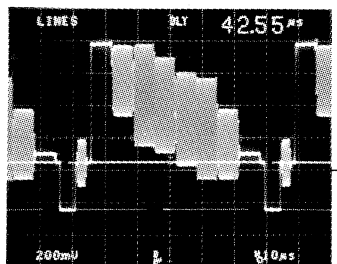


③ TP2



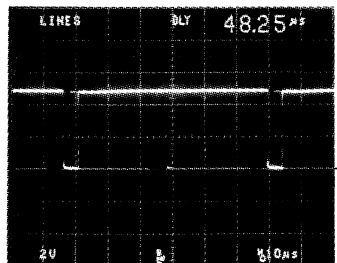
VIDEO OUT 1: 75Ω terminate

④ TP3

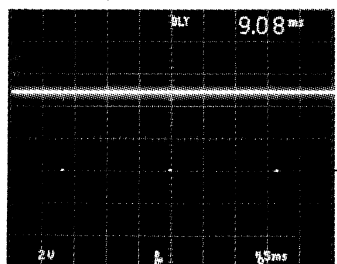


VIDEO OUT 2: 75Ω terminate

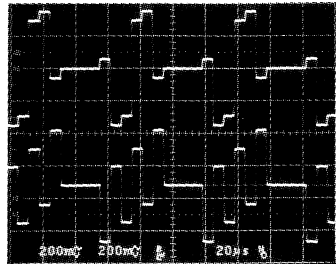
⑤ IC11-1pin



⑥ IC11-3pin

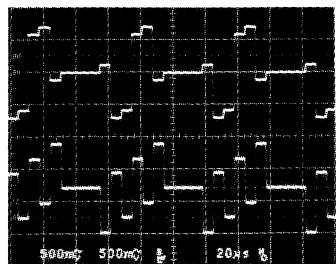


⑦ CN1-7pin
⑧ CN1-9pin



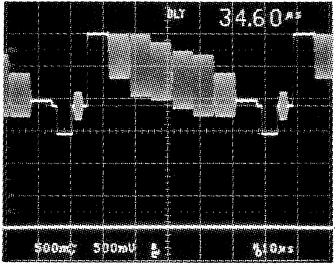
CAMERA IN: 75% color bars

⑨ TP101
⑩ TP102

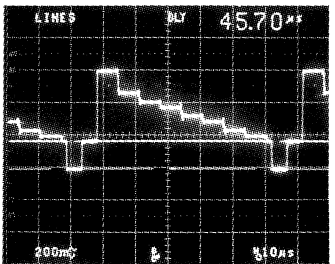


CAMERA IN: 75% color bars

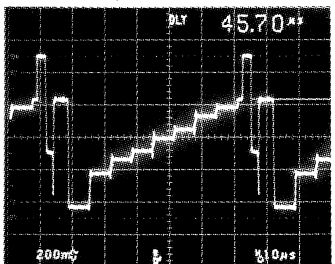
⑨ TP101
⑩ TP102



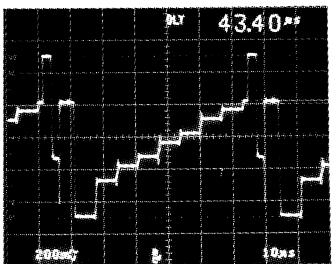
⑪ TP301



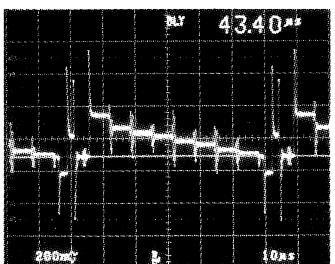
⑫ IC301-3pin



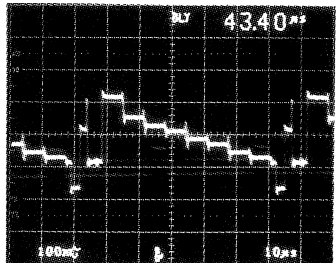
⑬ TP302



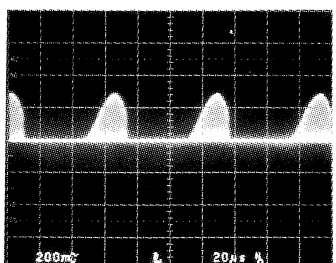
⑭ TP303



⑮ TP307

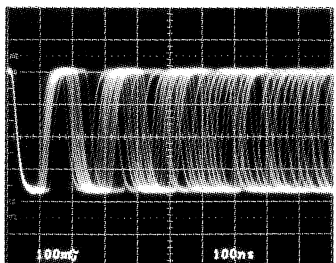


⑯ TP308

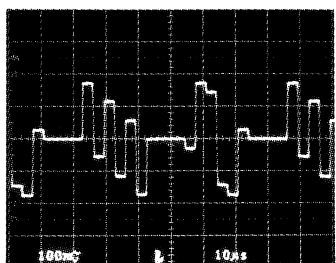


VIDEO IN: 100% H sweep

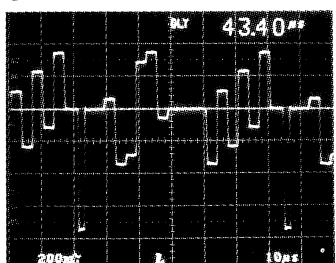
⑰ TP501



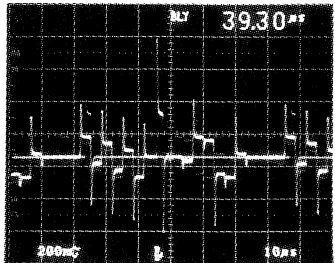
⑱ TP401



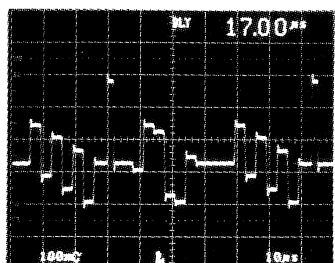
⑲ TP402



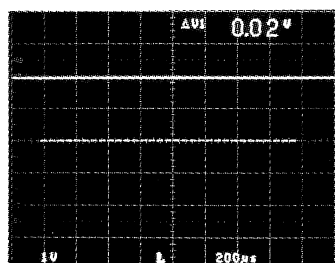
⑳ TP403



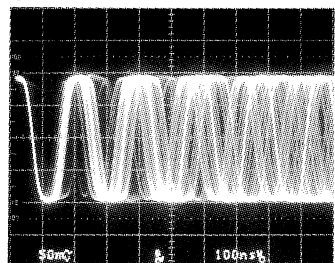
㉑ TP407



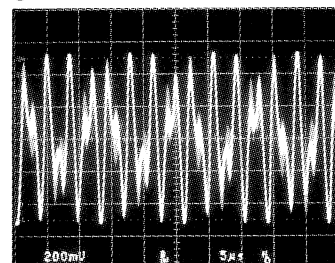
㉒ TP408



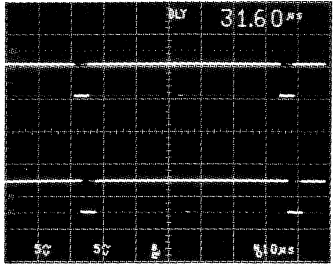
㉓ TP503



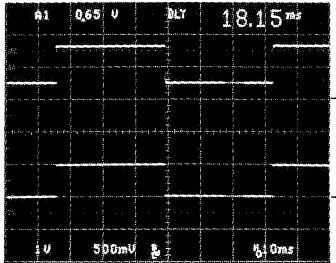
㉔ TP506



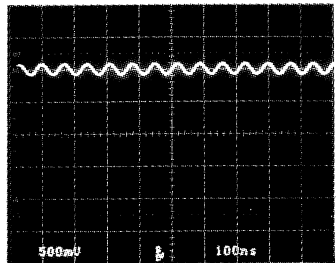
㉕ TP201
㉖ TP202



㉗ TP203
㉘ TP206

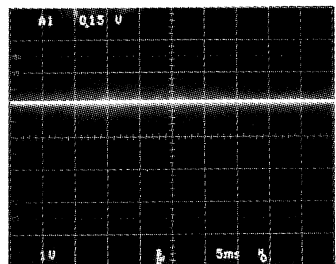


㉙ TP207

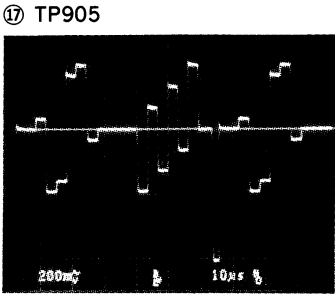
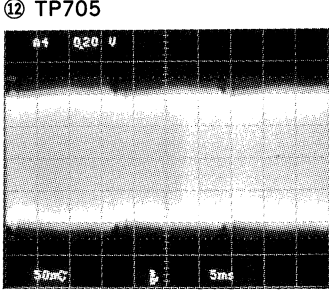
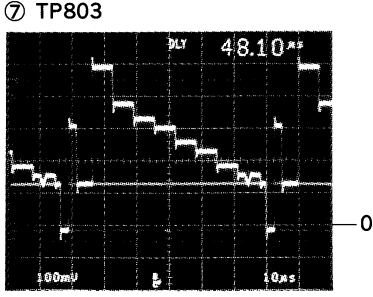
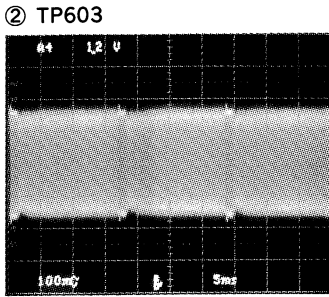
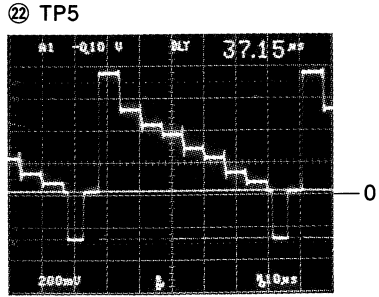
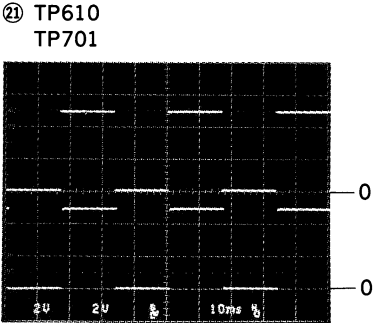
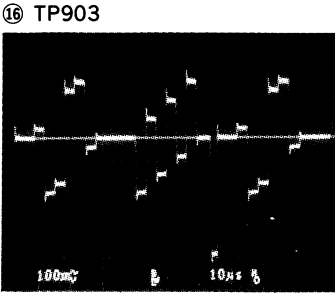
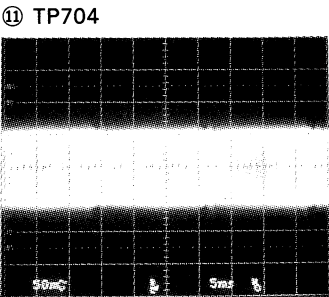
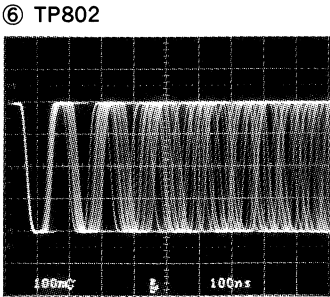
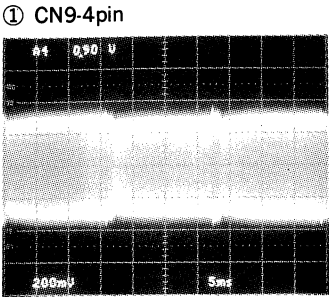


CAMERA IN: 75% color bars

㉚ TP208

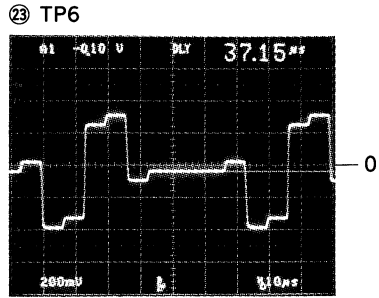


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode (METAL)

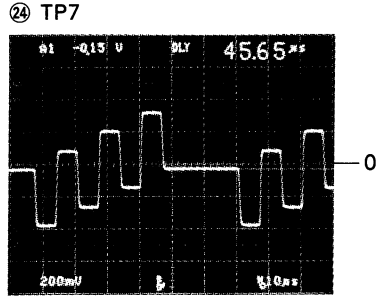
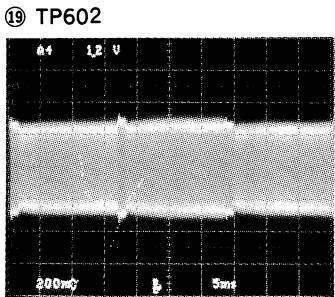
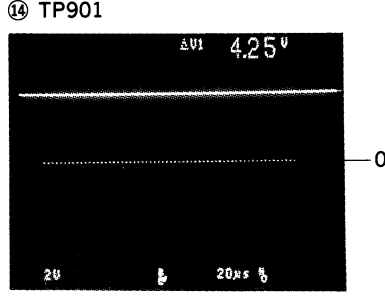
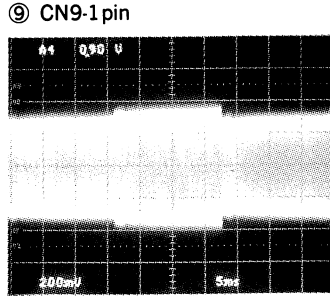
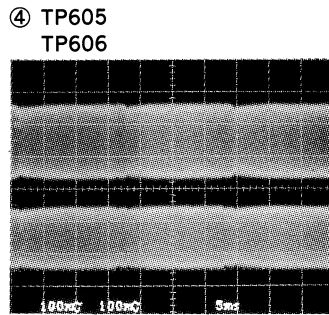
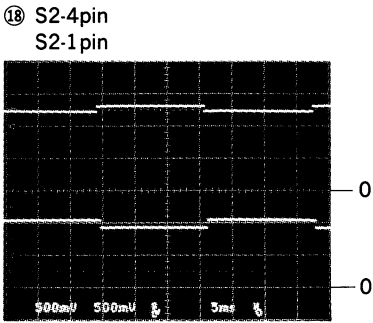
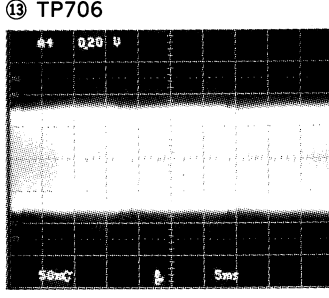
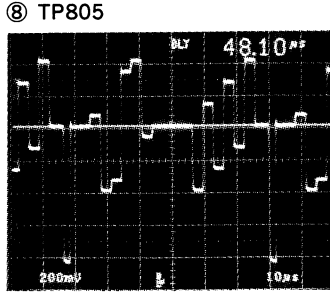
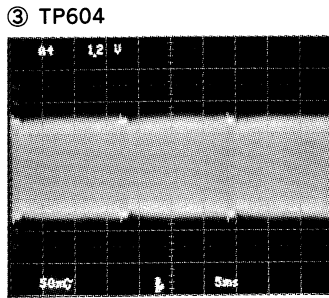


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
PB mode: CR5-1B: (color bars)

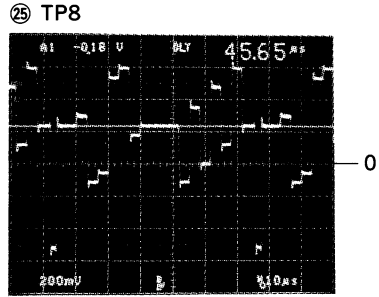
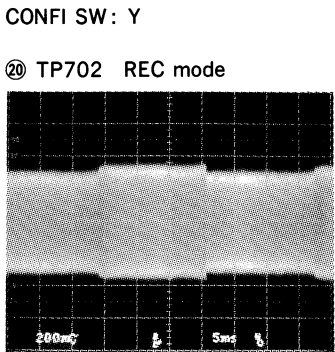
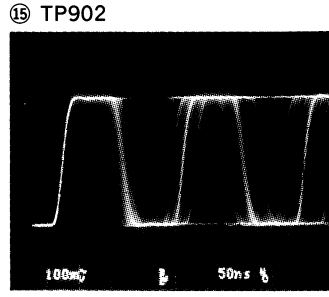
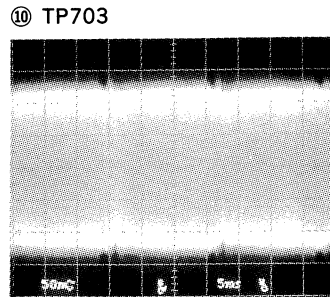
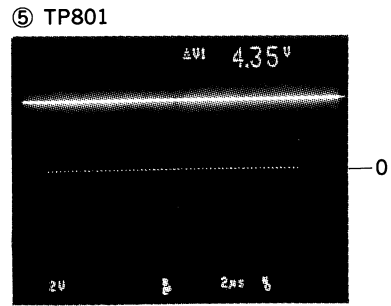
DUB OUT: multi connector cable
DOBNC BLK: 75Ω monitor
BLU: open



DUB OUT: multi connector cable
DOBNC BRN: 75Ω monitor
BLU: open

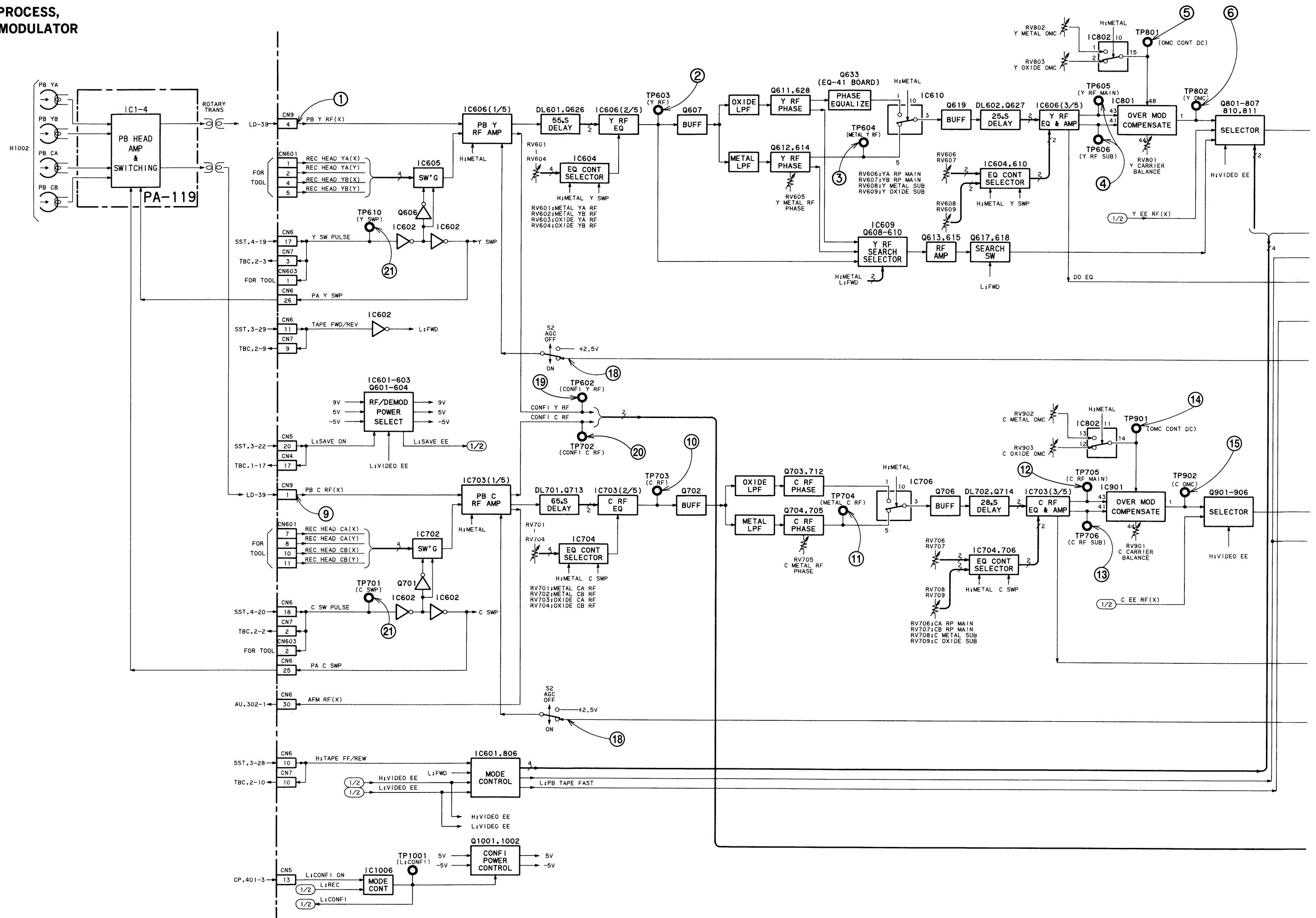


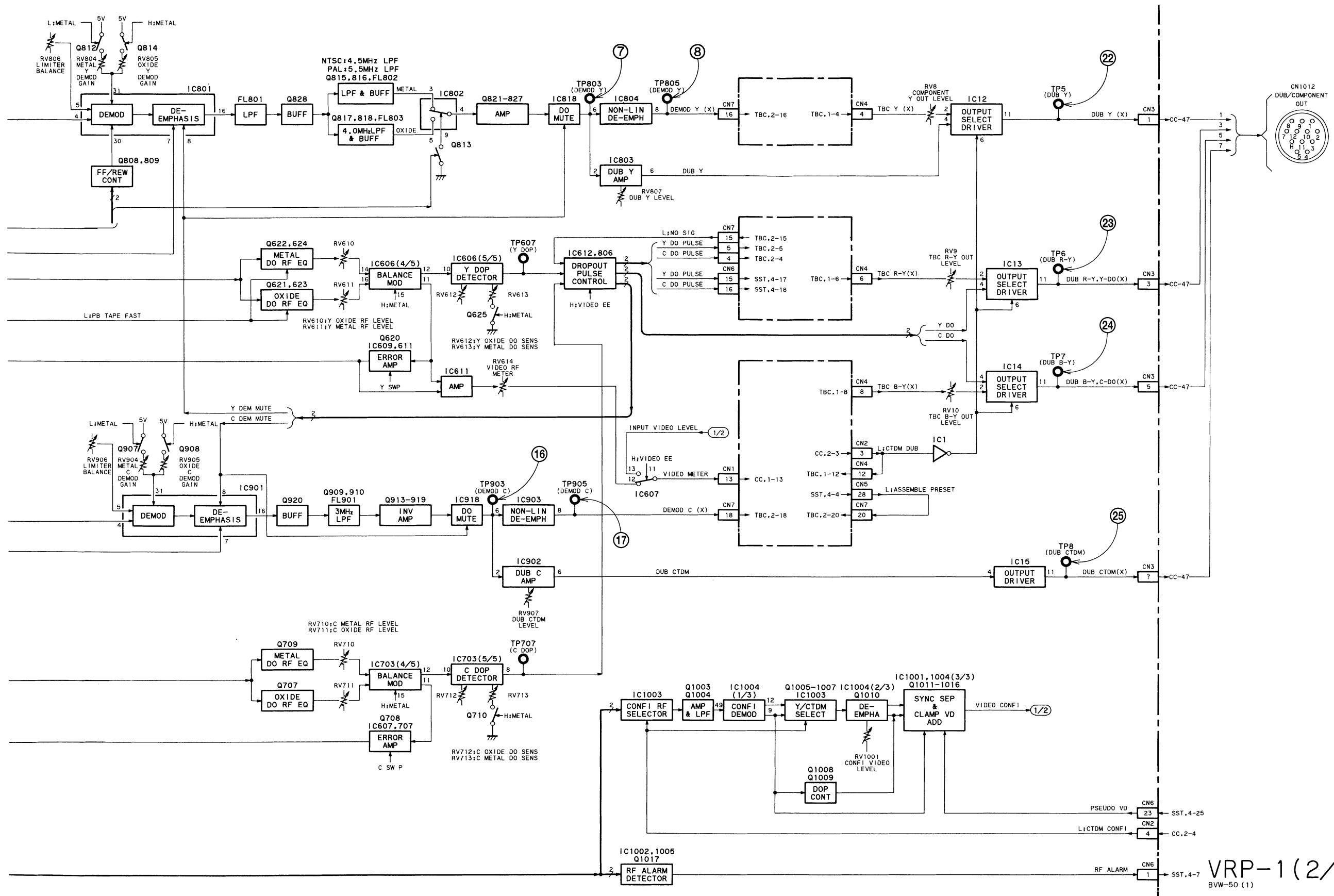
DUB OUT: multi connector cable
DOBNC RED: 75Ω monitor
BLU: open



DUB OUT: multi connector cable
DOBNC ORG: 75Ω monitor
BLU-GND: short

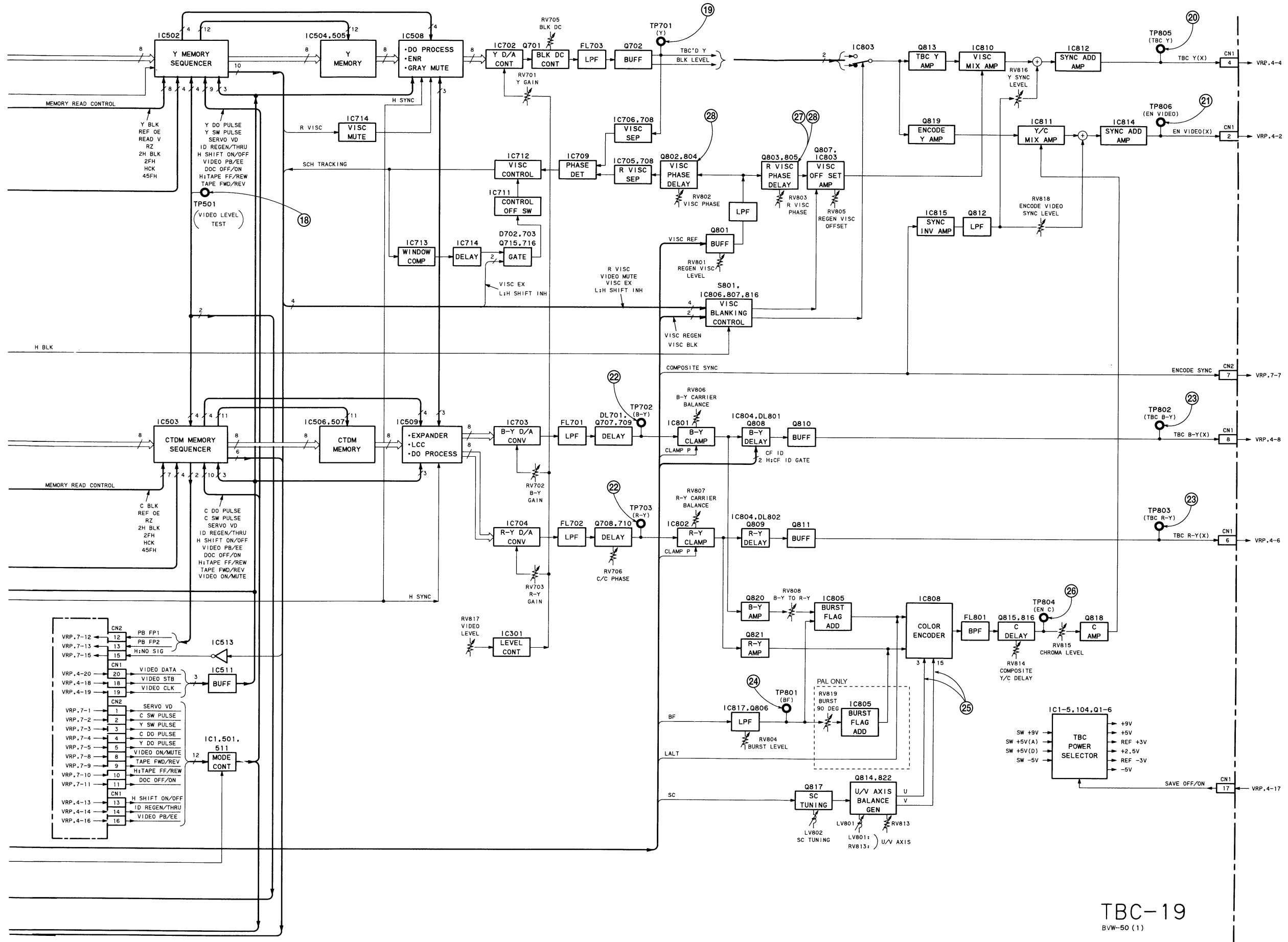
Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

PB RF PROCESS,
Y/C DEMODULATOR

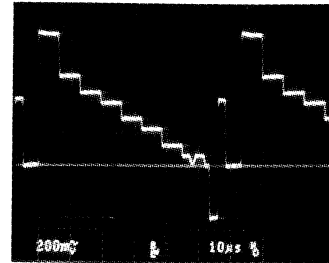


VRP-1 (2/2)
BVW-50 (1)

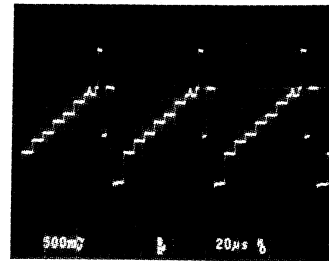
BVW-50



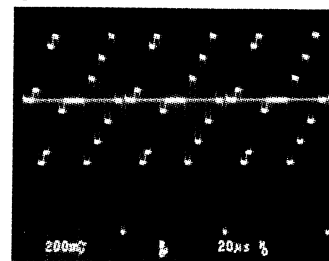
① TP101 PB mode



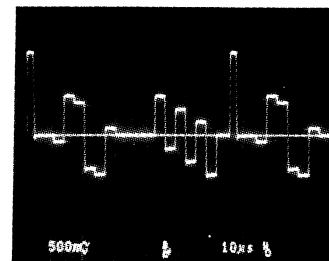
② TP102 PB mode



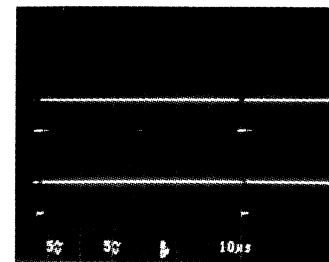
③ TP201 PB mode



④ TP202 PB mode

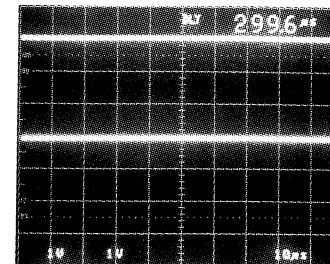


⑤ IC302-1pin
IC402-1pin EE mode

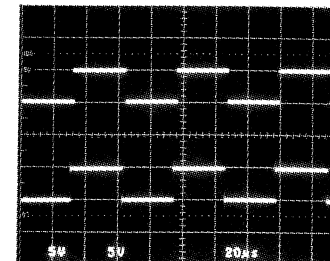


CAMERA IN: 75% color bars

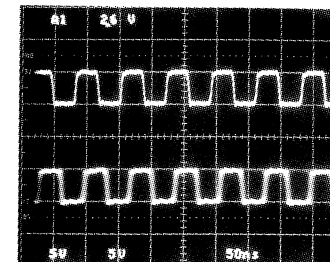
⑥ TP302
TP402 PB mode



⑦ IC302-66pin
IC402-66pin EE mode

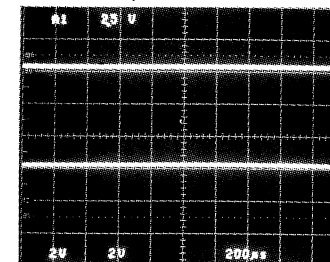


⑧ TP305
TP405 EE mode

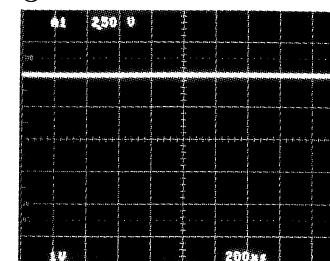


TRIG: CH-1

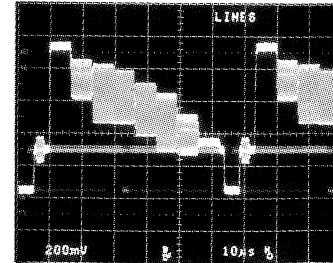
⑨ IC301-14pin
IC404-1pin EE mode



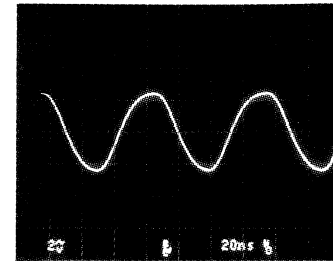
⑩ TP307 EE mode



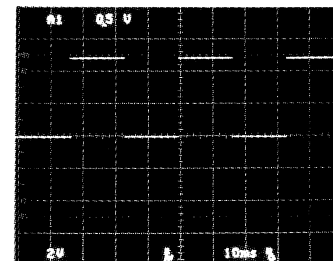
⑪ TP601 EE mode



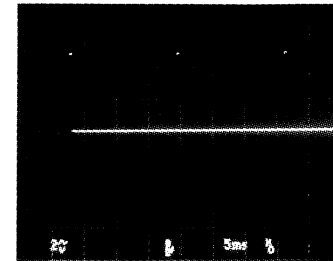
⑫ TP603 EE mode



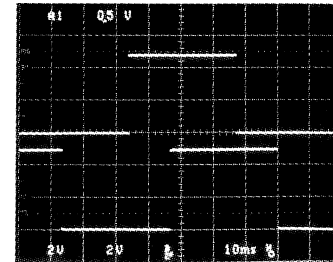
⑬ TP604 EE mode



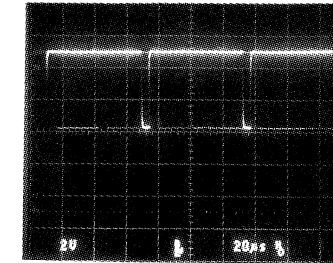
⑭ TP605 EE mode



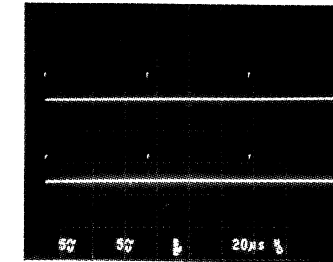
⑮ TP602
TP606 EE mode



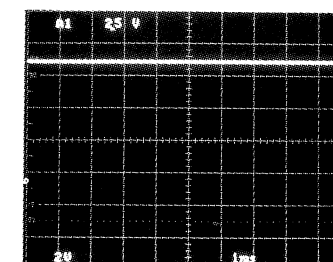
⑯ TP608 EE mode



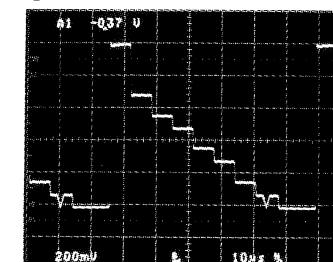
⑰ TP609
TP610 EE mode



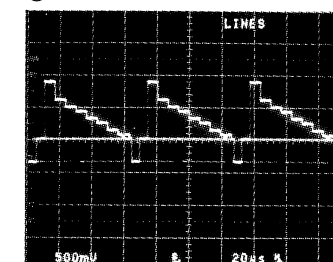
⑱ TP501 PB mode



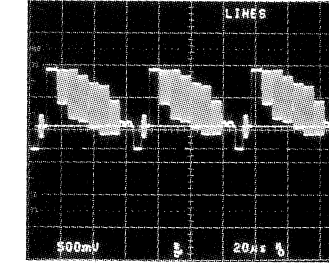
⑲ TP701 PB mode



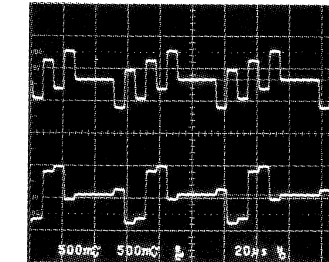
⑳ TP805 PB mode



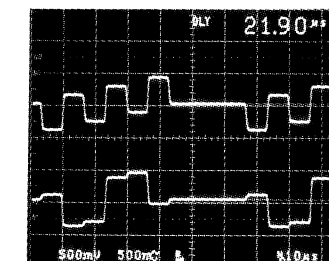
㉑ TP806 PB mode



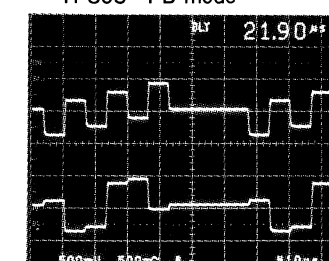
㉒ TP702
TP703 PB mode



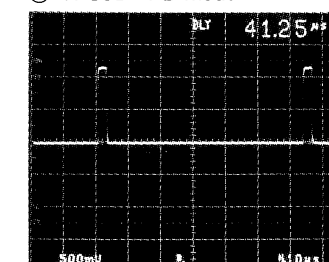
㉓ TP802
TP803 EE mode



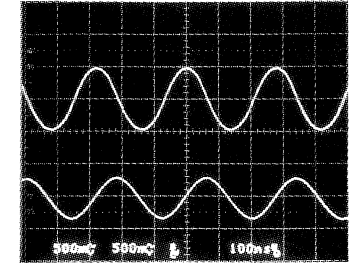
TP802
TP803 PB mode



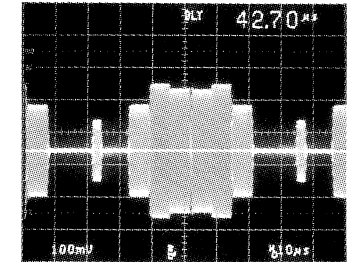
㉔ TP801 PB mode



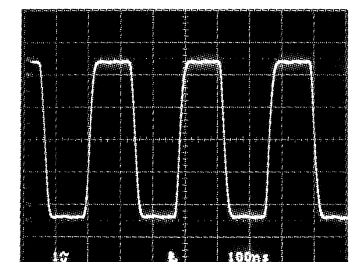
㉕ IC808-3pin
IC808-15pin EE mode



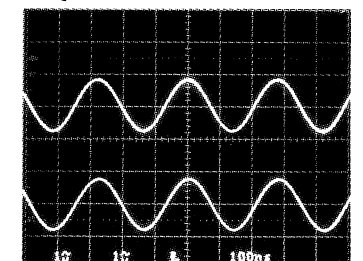
㉖ TP804 PB mode



㉗ Q803-E EE mode

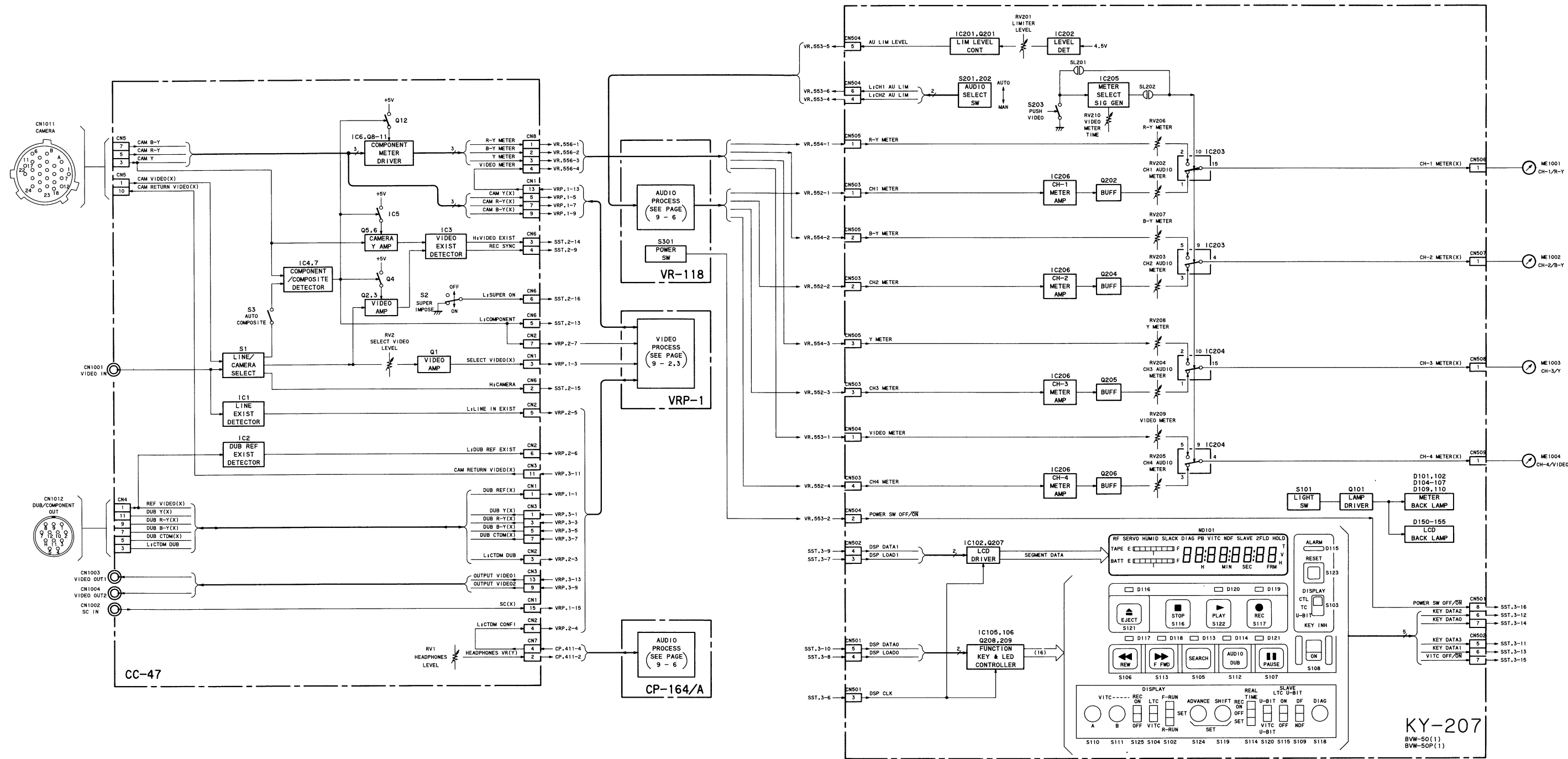


㉘ Q804-E EE mode
Q805-E EE mode

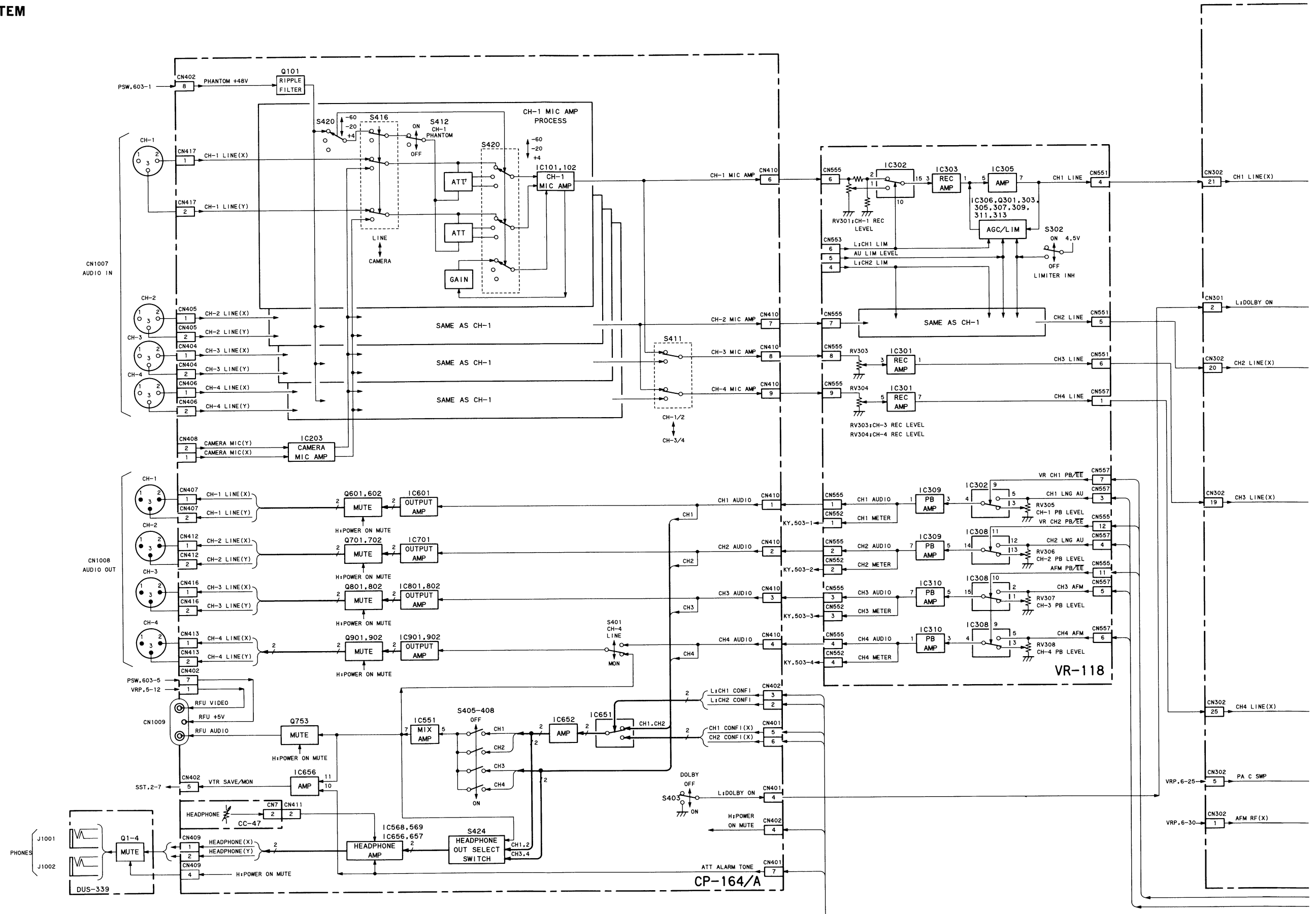


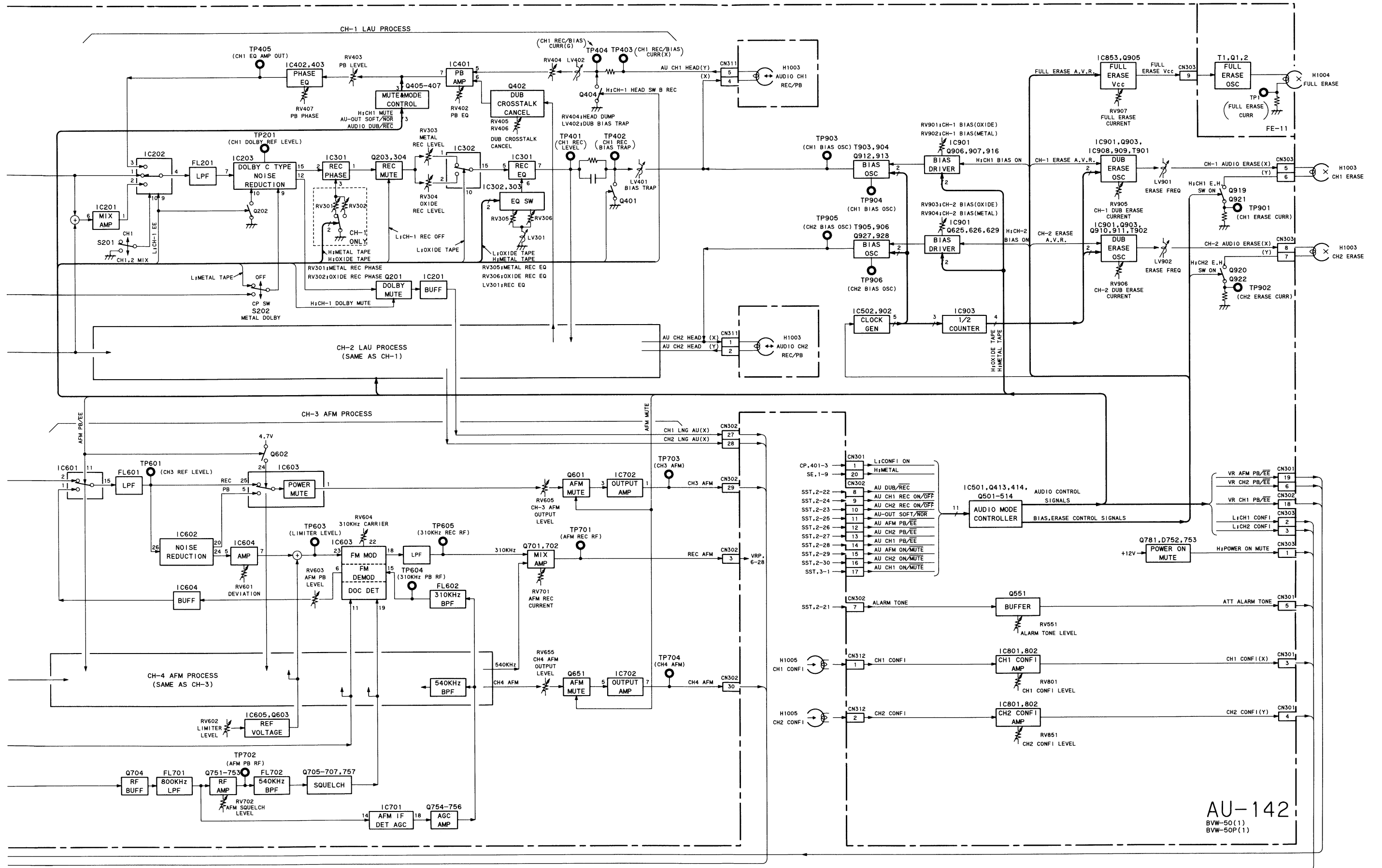
Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode
PB mode: CR5-1B (color bars)

VIDEO INPUT/SELECT, METER DRIVER,
FUNCTION KEYBOARD



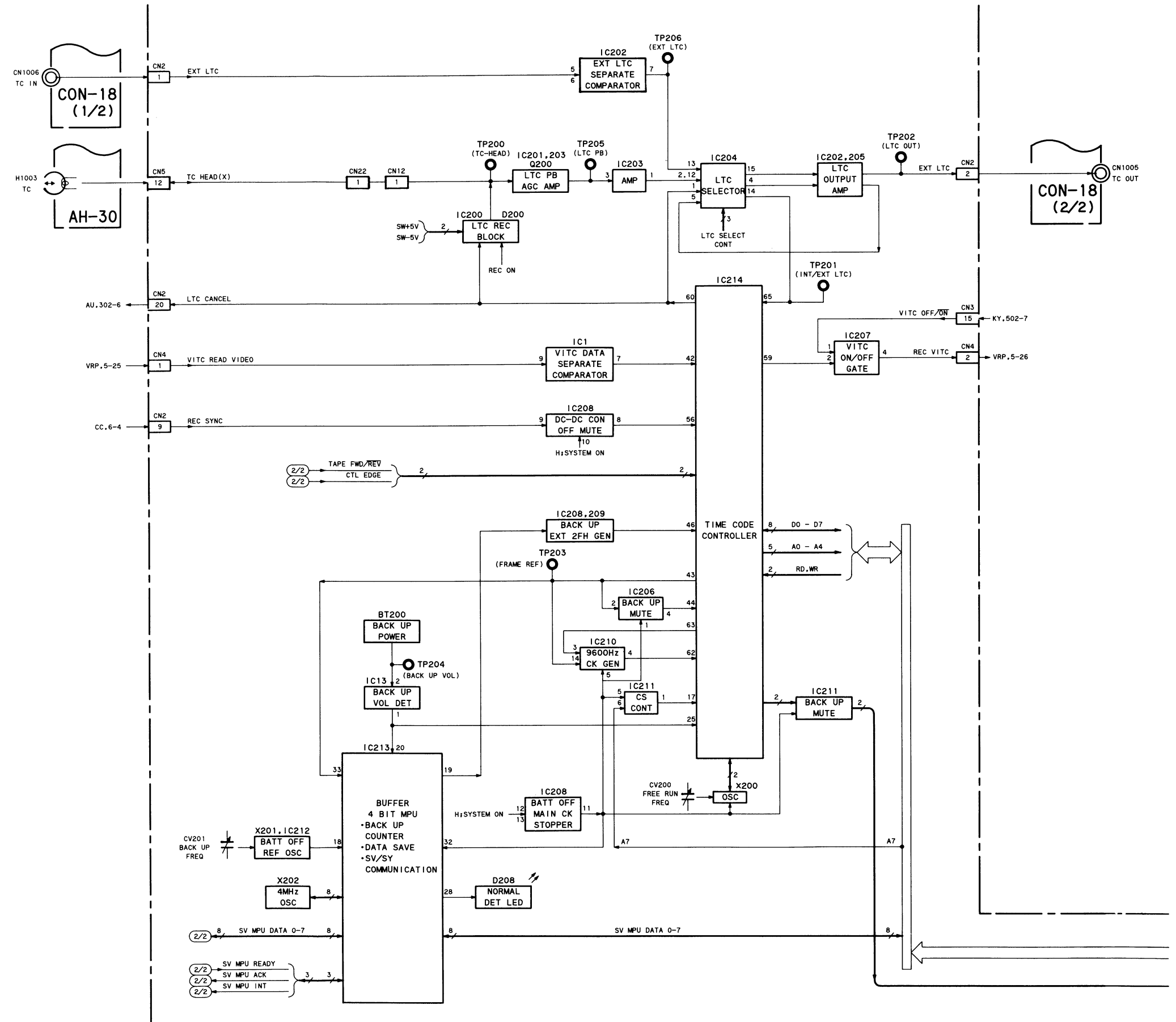
LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

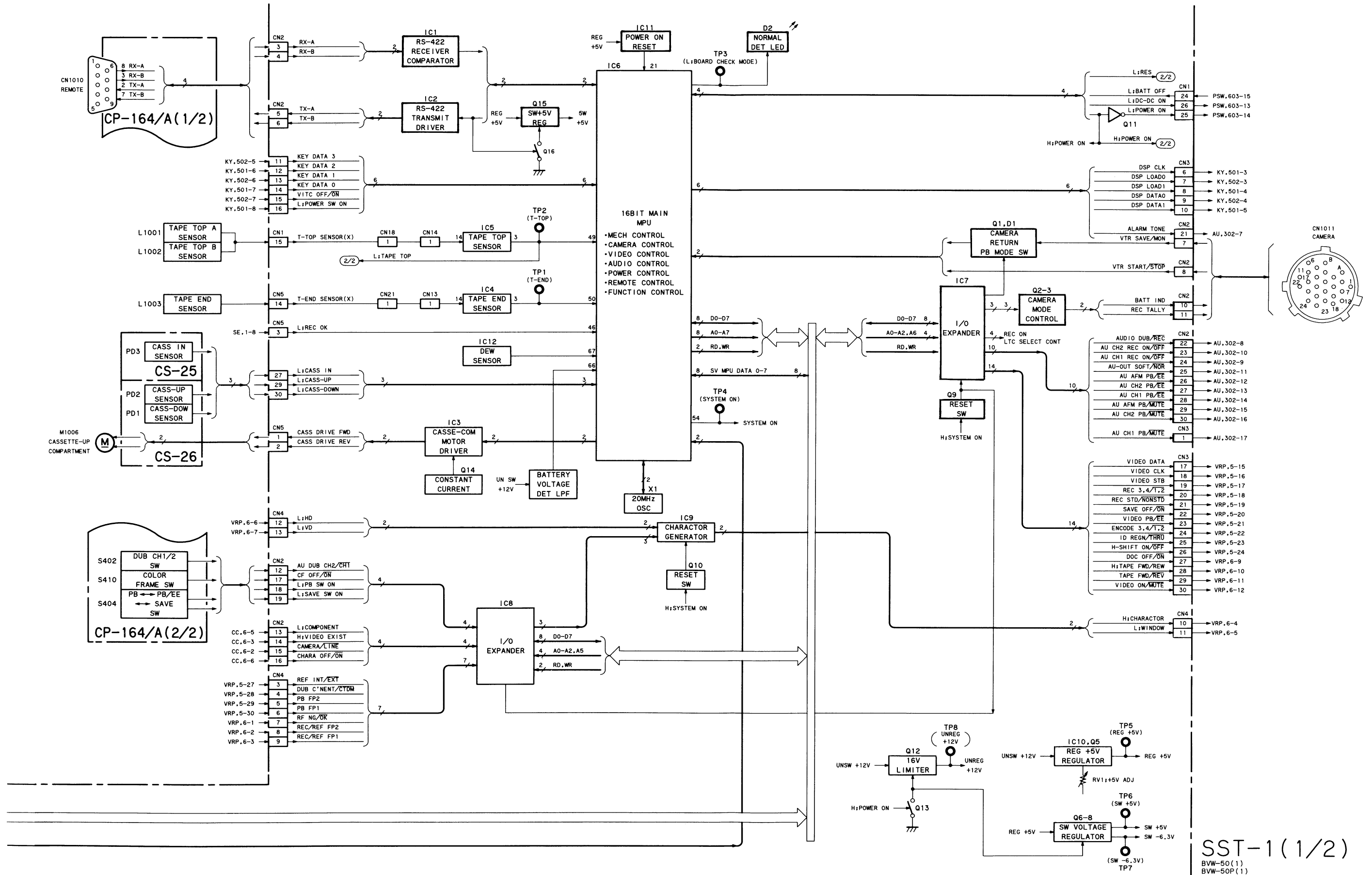




SYSTEM CONTROL TIME CODE GENERATOR/READER

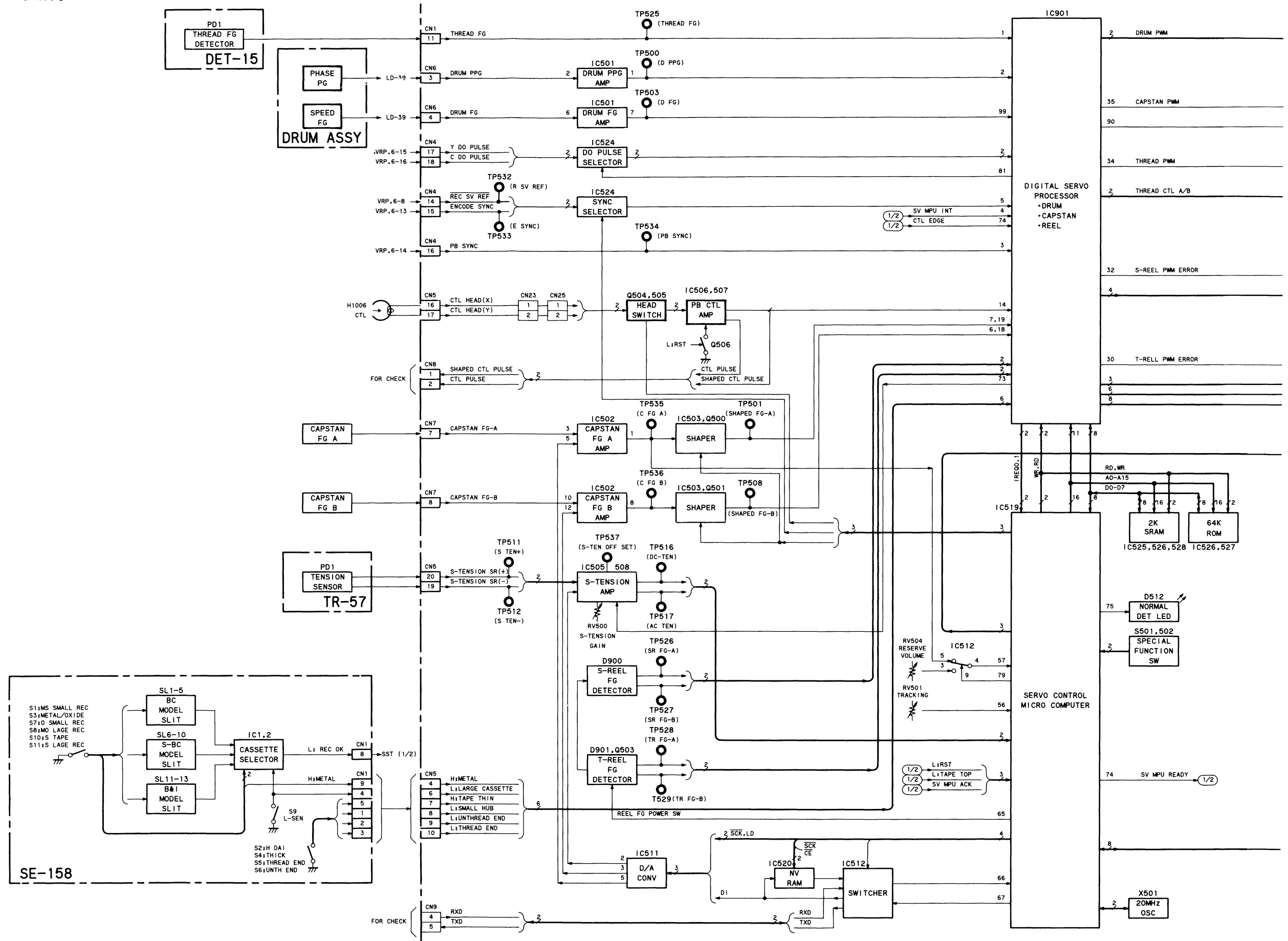
System Control, Time Code

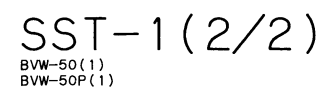




DRUM/CAPSTAN/REEL SERVO

Servo Servo





Section 10

Semiconductor Pin Assignments

ここに記載されている IC, トランジスタ, ダイオードは, それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。) 部品の交換をする時は, SPARE PARTS の章を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
AN6391NS.....	10-3	NJM360M	10-11	UPC358G2.....	10-9
CX20030	10-4	NJM386BM.....	10-19	UPC393G2.....	10-9
CX20099	10-3	NJM431U	10-19	UPD42101C-3	10-15
CX20111	10-3	NJM5534M.....	10-11		
CX22017	10-3	RC2041MD.....	10-11		
CX23065A.....	10-4	RC4560M	10-11		
CXA1077M	10-4	RC5532M	10-11		
CXA1263AM	10-5	RC78L05A	10-11		
CXA1370Q	10-16				
CXA1432M	10-7	S-80230AG	10-11		
CXD1095Q.....	10-5	S-8053ALB	10-12		
CXD1132Q.....	10-6	S-81230AG	10-11		
CXD1171M	10-7	S-81250HG	10-11		
CXD1175AM	10-7	SN74HC00ANS	10-12		
CXD8152Q	10-17	SN74HC02ANS	10-12		
CXD8160Q	10-17	SN74HC04ANS	10-19		
CXD8161AQ	10-18	SN74HC08ANS	10-12		
CXD8243M	10-18	SN74HC163ANS	10-12		
CXK1206M	10-8	SN74HC164NS	10-12		
CXK5816M-10L	10-8	SN74HC74ANS	10-12		
		SN74HC86ANS	10-19		
HD14053BFP.....	10-18	SN74LS06NS	10-13		
		SN74LS221NS	10-13		
LA7205M.....	10-19				
LM1881M	10-9	TA8607F	10-13		
LM2903M	10-9	TC4S01F	10-13		
LM358PS	10-9	TC4S66F	10-13		
		TC4SU69F	10-13		
MB3761PF.....	10-9	TC74HC123AF	10-13		
MB40568.....	10-19	TC74HC221AF	10-13		
MB88306PF	10-19	TC74HC4050F	10-14		
MB88323A-PF-K2	10-9	TC74HC4538AF	10-14		
MB88342PF	10-10	TC74HC86AF.....	10-14		
MC14013BF	10-10	TC74HCU04AF	10-19		
MC14046BF	10-10	TC7S00F	10-14		
MC14051BF	10-10	TC7S04F	10-14		
MC14052BF	10-10	TC7S08F	10-14		
MC14066BF	10-10	TC7S32F	10-14		
MC14069UBF.....	10-11	TL062CPS	10-14		
MC34182M.....	10-11	TL1451ACNS	10-15		
MC34184M.....	10-11	TLC27M2CPS.....	10-14		
MC74HC4053F	10-11				
		UPC319G2	10-15		

Index

<u>TRANSISTOR</u>	<u>PAGE</u>	<u>DIODE</u>	<u>PAGE</u>
2SA1610	10-20	1SS119	10-21
2SA2011	10-20	1SS83	10-21
2SB798	10-20	BR5505S	10-21
2SC4177	10-20	DA204U	10-21
2SC4178	10-20	DAN202U	10-21
2SC4213	10-20	DAP202U	10-21
2SD1204	10-20	EBR3402S	10-21
2SD2023	10-20	ERC62M-004	10-21
2SD596	10-20	FC52M	10-21
2SJ132	10-20	FC54M	10-21
2SJ176	10-20	RD ? ? ESB ?	10-21
2SK663	10-20	RD ? ? M	10-21
2SK738	10-20		
DTA144EU	10-20	SLH-34YC3	10-21
DTC144ES	10-20	SLP162B	10-21
DTC144EU	10-20		
FMY3	10-20		

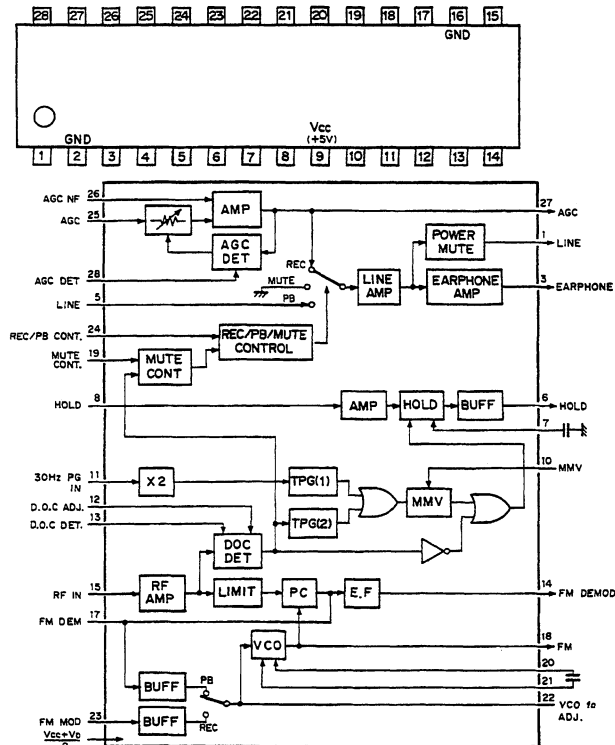
等価回路は IC メーカーの Data Book に従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

AN6391NS (MATSUSHITA) FLAT PACKAGE

AUDIO FM REC/PB AMP

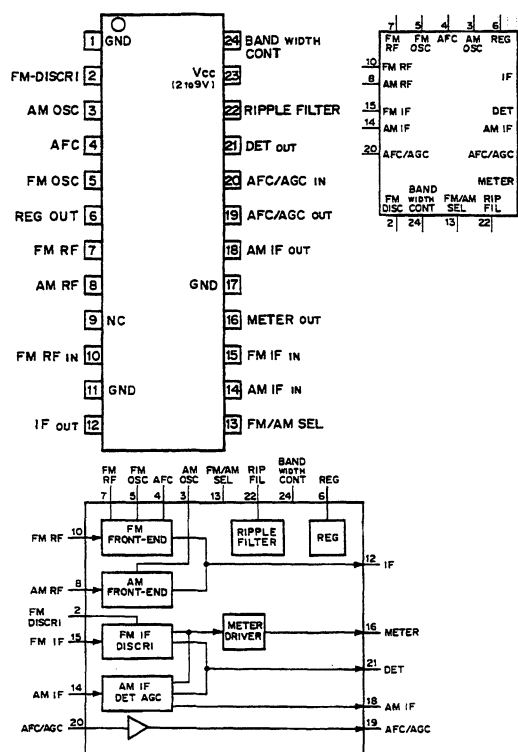
- TOP VIEW -



CX20111 (SONY) FLAT PACKAGE

FM/AM FRONT-END/IF/DET PROCESSOR

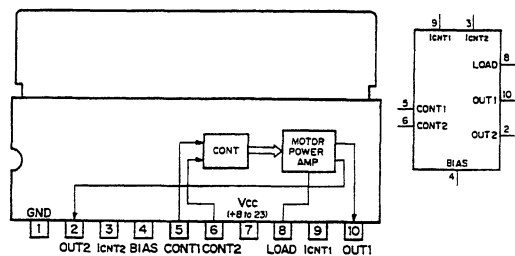
- TOP VIEW -



BA6229 (ROHM)

BI-DIRECTIONAL MOTOR DRIVER

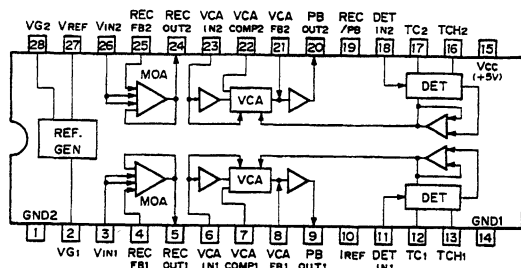
- SIDE VIEW -



CX20099 (SONY) FLAT PACKAGE

VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP

- TOP VIEW -

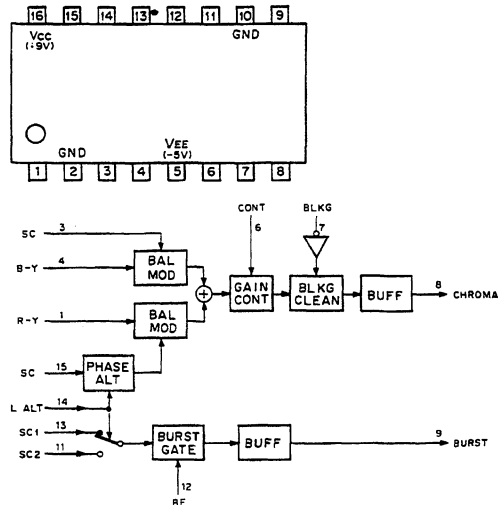


DET ; DETECTOR
TC ; TIME CONSTANT
TCH ; TIME CONSTANT HOLD
VCA ; VOLTAGE CONTROLLED AMP

CX22017 (SONY)

VIDEO SIGNAL PROCESSOR

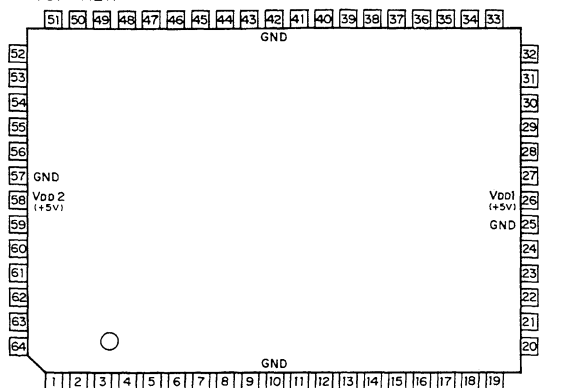
- TOP VIEW -



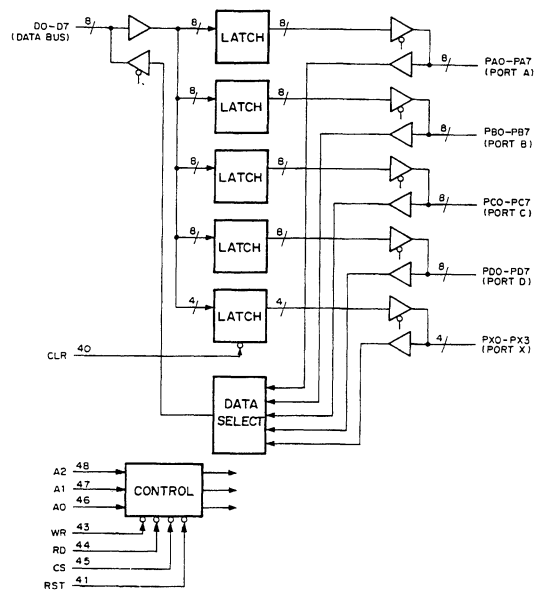
CXD1095Q (SONY) FLAT PACKAGE

C-MOS I/O PORT EXPANDER

- TOP VIEW -



PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	O	O	PC6	33			NC	49	O	O	PX0
2			NC	18	O	O	PC7	34			NC	50	O	O	PX1
3	O	O	PB1	19			NC	35	O	O	D3	51			NC
4	O	O	PB2	20	O	O	PD0	36	O	O	D4	52	O	O	PX2
5	O	O	PB3	21	O	O	PD1	37	O	O	D5	53	O	O	PX3
6	O	O	PB4	22	O	O	PD2	38	O	O	D6	54	O	O	PA0
7	O	O	PB5	23	O	O	PD3	39	O	O	D7	55	O	O	PA1
8	O	O	PB6	24	O	O	PD4	40	O	O	CLR	56	O	O	PA2
9	O	O	PB7	25			GND	41	O		RST	57			GND
10			GND	26	O		VDD(+5V)	42			GND	58	O		VDD(+5V)
11	O	O	PC0	27	O	O	PD5	43	O		WR	59	O	O	PA3
12	O	O	PC1	28	O	O	PD6	44	O		RD	60	O	O	PA4
13	O	O	PC2	29	O	O	PD7	45	O		CS	61	O	O	PA5
14	O	O	PC3	30	O	O	D0	46	O		A0	62	O	O	PA6
15	O	O	PC4	31	O	O	D1	47	O		A1	63	O	O	PA7
16	O	O	PC5	32	O	O	D2	48	O		A2	64	O	O	PB0



CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	---
0	0	1	1	1	0	---
0	0	1	1	1	1	---
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	---
0	1	0	1	1	0	DATA BUS → CTL REG.1
0	1	0	1	1	1	DATA BUS → CTL REG.2
1	X	X	X	X	X	DATA BUS; HI-Z

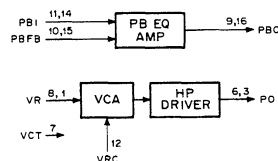
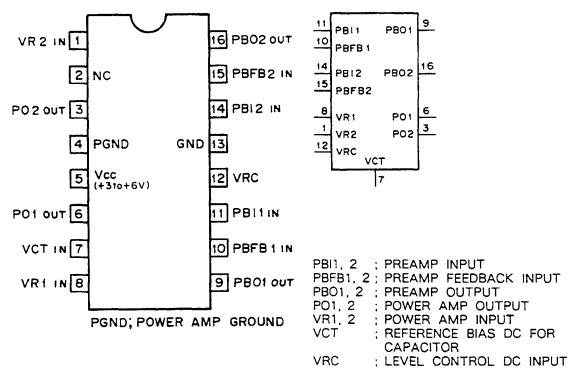
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z, HIGH IMPEDANCE

DO-D7; DATA BUS INPUTS/OUTPUTS
CS; CHIP SELECT INPUT
RD; READ STROBE INPUT
WR; WRITE STROBE INPUT
A0-A2; ADDRESS INPUT
RST; RESET INPUT
CLR; CLEAR INPUT
PA0-PA7; PORT A INPUTS/OUTPUTS
PB0-PB7; PORT B INPUTS/OUTPUTS
PC0-PC7; PORT C INPUTS/OUTPUTS
PD0-PD7; PORT D INPUTS/OUTPUTS
PX0-PX3; PORT X INPUTS/OUTPUTS

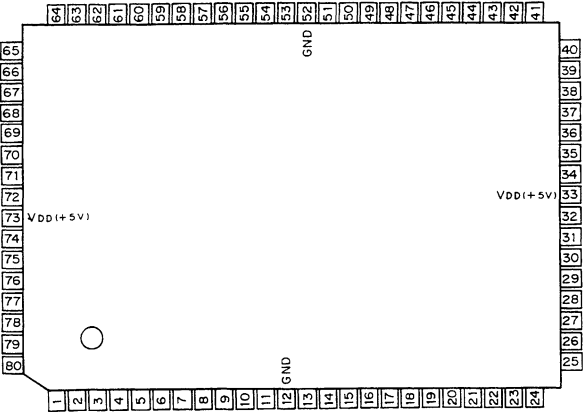
CXA1263AM (SONY) FLAT PACKAGE

AUDIO PRE-AMP/PHONE DRIVER

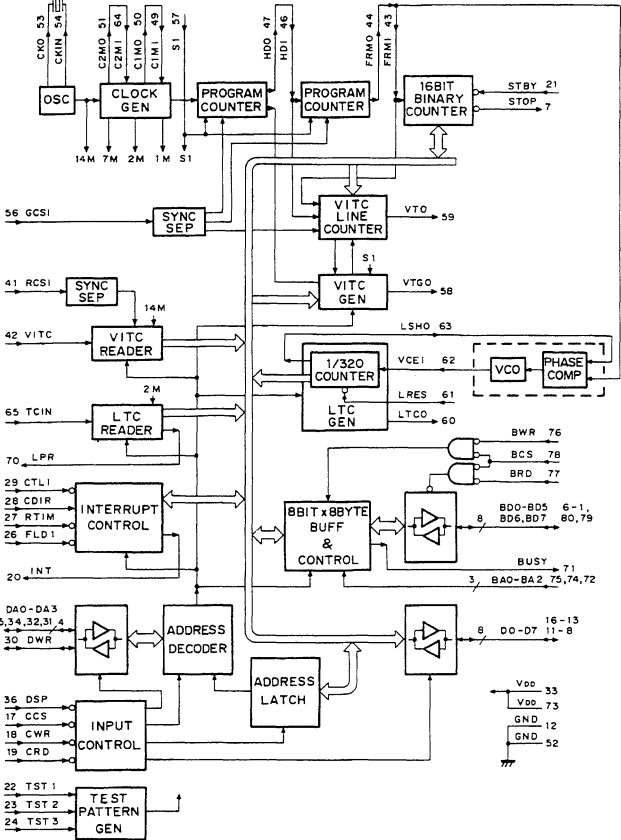
- TOP VIEW -



CXD1132Q (SONY) FLAT PACKAGE
C-MOS TIME CODE GENERATOR/READER
- TOP VIEW -



PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	DB5	17	I	CCS	33	-	V _{DD}	49	I	C1MI	65	I	TCIN
2	I/O	DB4	18	I	CWR	34	I/O	DA1	50	O	C1MO	66	O	DCLK
3	I/O	DB3	19	I	CRD	35	I/O	DA0	51	O	C2MO	67	O	DATA
4	I/O	DB2	20	O	INT	36	I	DSP	52	-	GND	68	O	RFLD
5	I/O	DB1	21	I	STBY	37	O	DTSE	53	O	CKO	69	O	RDSY
6	I/O	DB0	22	I	TST1	38	O	VRCK	54	I	CKIN	70	O	LPR
7	O	STOP	23	I	TST2	39	I	SLLM	55	I	SLCK	71	O	BUSY
8	I/O	D7	24	I	TST3	40	O	RVDO	56	I	GCSI	72	I	BA2
9	I/O	D6	25	I	PON	41	I	RCSI	57	I	S1	73	-	V _{DD}
10	I/O	D5	26	I	FLD1	42	I	VITC	58	O	VTGO	74	I	BA1
11	I/O	D4	27	I	RTIM	43	I	FRMI	59	O	VTO	75	I	BA0
12	-	GND	28	I	CDIR	44	O	FRMO	60	O	LTCO	76	I	BWR
13	I/O	D3	29	I	CTLI	45	O	GLSY	61	I	LRES	77	I	BRD
14	I/O	D2	30	I/O	DWR	46	I	HDI	62	I	VCEI	78	I	BCS
15	I/O	D1	31	I/O	DA3	47	O	HDO	63	O	LSHO	79	I/O	BD7
16	I/O	D0	32	I/O	DA2	48	O	VDO	64	I	C2MI	80	I/O	BD6



SIGNAL DESCRIPTION

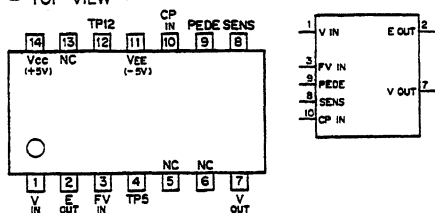
- BA0-BA2 B ADDRESS INPUTS
BCS B CHIP ENABLE INPUT ("L":ENABLE)
BD0-BD7 B DATA I/O
BRD B READ INPUT ("L":READ)
BUSY B BUSY OUTPUT
BWR B WRITE INPUT ("L":WRITE)
C1MI SYSTEM CLOCK INPUT
C1MO CLOCK 1 OUTPUT (CKIN X 1/16)
C2MI LTC READ CLOCK INPUT
C2MO CLOCK 2 OUTPUT (CKIN X 1/8)
CCS C CHIP ENABLE INPUT ("L":ENABLE)(when DSP is low)
CCS ADDRESS LATCH ENABLE INPUT ("L":ENABLE)(when DSP is high)
CDIR CTL DIRECTION INPUT
CKIN SYSTEM CLOCK INPUT

VIDEO SIGNAL FORMAT	CKIN
SMPTE 29.97HZ 525LINE	14.318MHZ
EBU 25HZ 625LINE	14.500MHZ

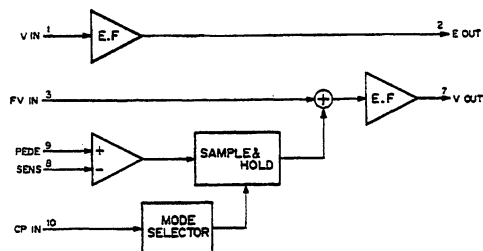
- CKO CLOCK OUTPUT
CRD C READ INPUT ("L":READ)
CTLI CTL SIGNAL INPUT
CWR C WRITE INPUT ("L":WRITE)
D0-D7 DATA I/O (when DSP is low)/
ADDRESS INPUTS
DA0-DA3 E ADDRESS INPUTS (when DSP is high)
D ADDRESS OUTPUT (when DSP is low)
DATA DEMODULATED SERIAL DATA OUTPUT
DCLK DEMODULATED CLOCK OUTPUT
DSP DISPLAY BUS SELECT INPUT
DSP controls CCS,DA0-DA3 and DVR.
DTSE VITC DATA SEARCH FLAG OUTPUT
DWR WRITE ENABLE OUTPUT ("L":ENABLE)(when DSP is low)
E ADDRESS 4 INPUT (when DSP is high)
EA4 ADDRESS BUS INPUT
FLD1 FIELD REFERENCE INPUT ("L":FLD 1)
FRMI FRAME SIGNAL INPUT
FRMO FRAME SIGNAL OUTPUT
GCSI COMPOSITE SYNC INPUT
GLSY LOST SYNC FLAG OUTPUT
HDI HORIZONTAL SYNC INPUT
HDO HORIZONTAL SYNC OUTPUT
INT INTERRUPT REQUEST OUTPUT
LPR LTC READ REQUEST OUTPUT
LRES LTC COUNTER RESET INPUT ("L":RESET)
LSHO SYNCHRONOUS SIGNAL OUTPUT
LTCO LTC SIGNAL OUTPUT
PON SYSTEM RESET INPUT ("L":PON)
RCSI COMPOSITE SYNC INPUT
RDSY READ SYNC WORD DATA OUTPUT
RESS RESET INPUT ("L":RTIM)
RFLD FIELD DATA OUTPUT
RTIM TIME ADDRESS RESET INPUT ("L":RESET)
RVDO VITC READ DATA OUTPUT
S1 SIGNAL FORMAT SELECT INPUT
"H":NTSC/PAL-M 29.94HZ 525LINE
"L":PAL/SECAM 25HZ 625LINE
SLCK SELECT CLOCK INPUT
SLLM READ SIZE SELECT INPUT
STBY STANDBY READ FLAG INPUT
STOP STOP OUTPUT ("L":STOP)
TCIN LONGITUDINAL TIME AND CONTROL CODE INPUT
TST1-TST3 TEST INPUT
VCEI LTC CLOCK INPUT
VDO HORIZONTAL SYNC DRIVE OUTPUT
VITC VITC SIGNAL INPUT
VTGO VITC GATE SIGNAL OUTPUT
VTO VITC SIGNAL OUTPUT ("H":VITC)

SLCK	"L"	"H"
CKIN	14.318MHZ	14.5MHZ
SMPTE	EBU	SMPTE
SPEC	EBU	EBU

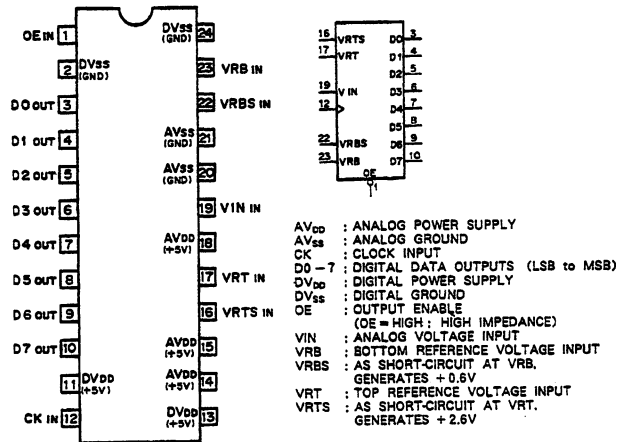
CXA1432M (SONY) FLAT PACKAGE
VIDEO SIGNAL CLAMPER
- TOP VIEW -



CP IN : CLAMP PULSE INPUT
E OUT : BUFFER AMP OUTPUT
FV IN : FLOATING VIDEO SIGNAL INPUT
PEDE : CLAMP LEVEL DC INPUT
SENS : CLAMP POINT SIGNAL INPUT
TP5, TP12 : FOR TEST
V IN : VIDEO SIGNAL INPUT
V OUT : VIDEO SIGNAL OUTPUT



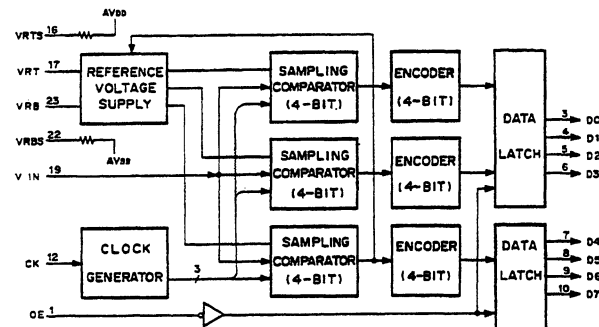
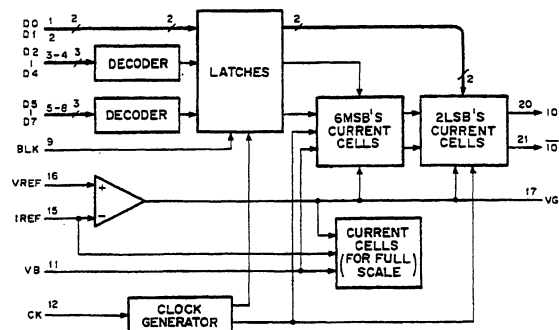
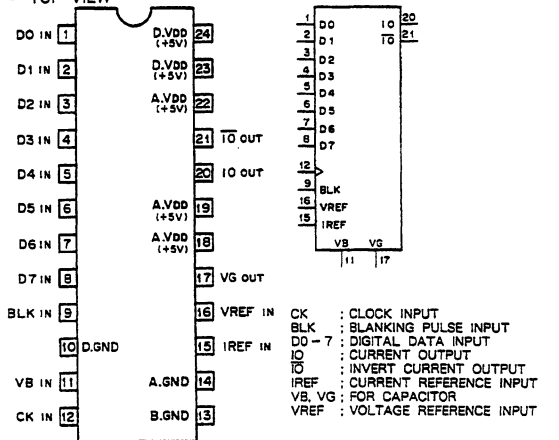
CXD1175AM (SONY) FLAT PACKAGE
C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER
- TOP VIEW -



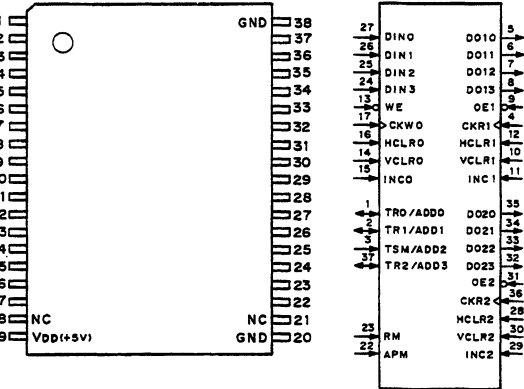
STEP	INPUT SIGNAL VOLTAGE	DATA OUTPUTS							
		D7	D6	D5	D4	D3	D2	D1	D0
0	0V (VRT)	1	1	1	1	1	1	1	1
1	0.01V	1	1	1	1	1	1	1	0
...
127	1.34V	1	0	0	0	0	0	0	0
128	1.35V	0	1	1	1	1	1	1	1
...
255	2.7V (VRB)	0	0	0	0	0	0	0	0

0 : LOW LEVEL
1 : HIGH LEVEL

CXD1171M (SONY) FLAT PACKAGE
C-MOS 8-BIT D/A CONVERTER
- TOP VIEW -



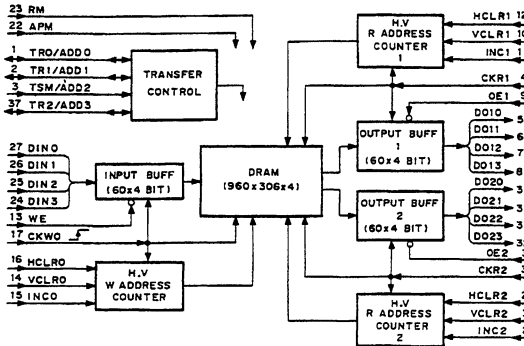
CXK1206M (SONY) FLAT PACKAGE
C-MOS VIDEO FIELD MEMORY (960-COLUMNx306-ROWx4-BIT)
- TOP VIEW -



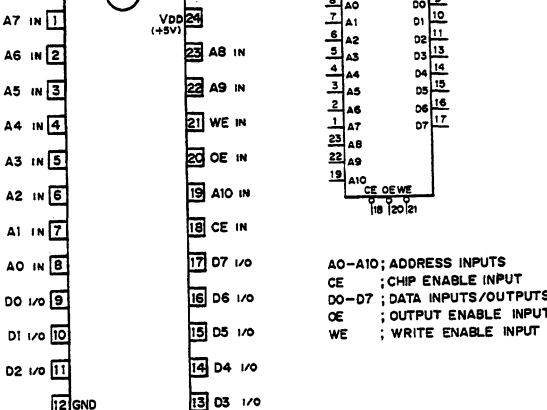
PIN	SIGNAL	DESCRIPTION
1	TR0/ADD0	W PORT 0 TRANSFER SYNC I/O, ADDRESS 0 INPUT
2	TR1/ADD1	R PORT 1 TRANSFER SYNC I/O, ADDRESS 1 INPUT
3	TSM/ADD2	TRANSFER SYNCHRONOUS MODE, ADDRESS 2 INPUT
4	CKR1	R PORT 1 SHIFT SIGNAL INPUT
5	DO10	R PORT 1 DATA 0 OUTPUT
6	DO11	R PORT 1 DATA 1 OUTPUT
7	DO12	R PORT 1 DATA 2 OUTPUT
8	DO13	R PORT 1 DATA 3 OUTPUT
9	OE1	R PORT 1 OUTPUT ENABLE INPUT
10	VCLR1	R PORT 1 VERTICAL CLEAR INPUT
11	INC1	R PORT 1 LINE INCREMENT INPUT
12	HCLR1	R PORT 1 HORIZONTAL CLEAR INPUT
13	WE	W PORT 0 WRITE ENABLE INPUT
14	VCLR0	W PORT 0 VERTICAL CLEAR INPUT
15	INC0	W PORT 0 LINE INCREMENT INPUT
16	HCLR0	W PORT 0 HORIZONTAL CLEAR INPUT
17	CKW0	W PORT 0 SHIFT SIGNAL INPUT
18	NC	(no connection)
19	VDD	+5V INPUT
20	GND	GND
21	NC	(no connection)
22	APM	ADDRESS PRESET MODE INPUT
23	RMM	RECURSIVE MODE ENABLE INPUT
24	DIN3	W PORT 0 DATA 3 INPUT
25	DIN2	W PORT 0 DATA 2 INPUT
26	DIN1	W PORT 0 DATA 1 INPUT
27	DIN0	W PORT 0 DATA 0 INPUT
28	HCLR2	R PORT 2 HORIZONTAL CLEAR INPUT
29	INC2	R PORT 2 LINE INCREMENT INPUT
30	VCLR2	R PORT 2 VERTICAL CLEAR INPUT
31	OE2	R PORT 2 OUTPUT ENABLE INPUT
32	DO23	R PORT 2 DATA 3 OUTPUT
33	DO22	R PORT 2 DATA 2 OUTPUT
34	DO21	R PORT 2 DATA 1 OUTPUT
35	DO20	R PORT 2 DATA 0 OUTPUT
36	CKR2	R PORT 2 SHIFT SIGNAL INPUT
37	TR2/ADD3	R PORT 2 TRANSFER SYNC I/O, ADDRESS 3 INPUT
38	GND	GND

MODE SELECTION					MODE
CONTROL INPUTS		TSM	TS, TR/ADD		
RM	APM		TR 0-2	ADD 0-3	
0	0	0	OUT PUT	-	NON RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE OUTPUT
0	0	1	IN-PUT	-	NON RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE INPUT
0	1	-	-	IN-PUT	NON RECURSIVE MODE, ADDRESS PRESET MODE
1	0	0	OUT PUT	-	RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE OUTPUT
1	0	1	IN-PUT	-	RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE INPUT

0:LOW LEVEL 1:HIGH LEVEL

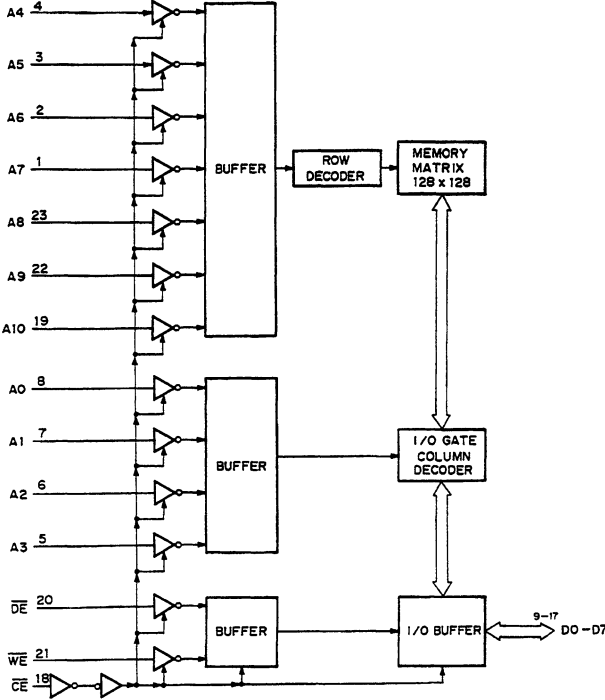


CXK5816M-10L (SONY) (ACCESS TIME 100ns)
C-MOS 16K (2Kx8-BIT) STATIC RAM
- TOP VIEW -

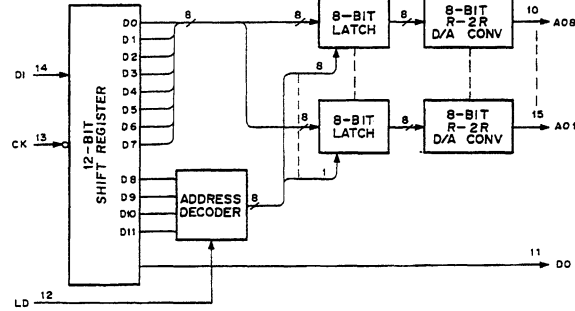
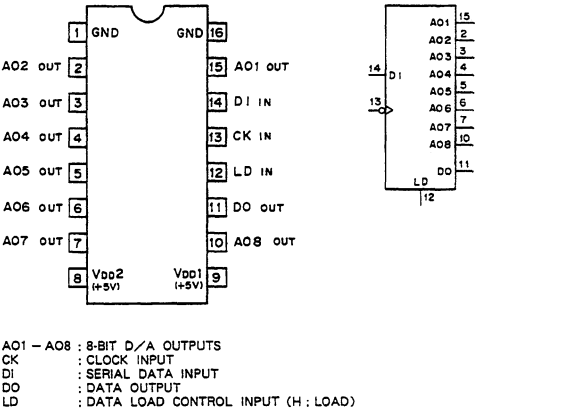


MODE SELECTION			
CONTROL INPUTS			MODE
CE	DE	WE	
1	X	X	NO CHANGE
0	1	1	DISABLE OUTPUT
0	0	1	READ
0	1	0	WRITE

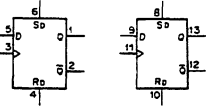
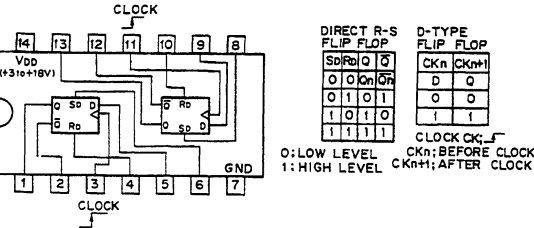
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



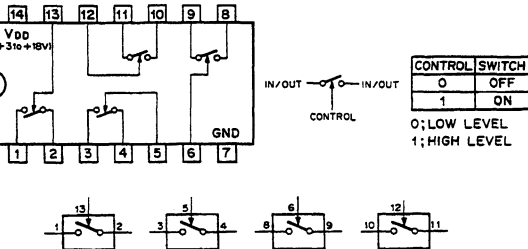
MB88342PF (FUJITSU) FLAT PACKAGE
C-MOS 8-BIT D/A CONVERTER
- TOP VIEW -



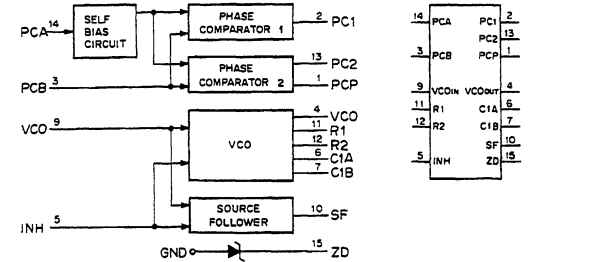
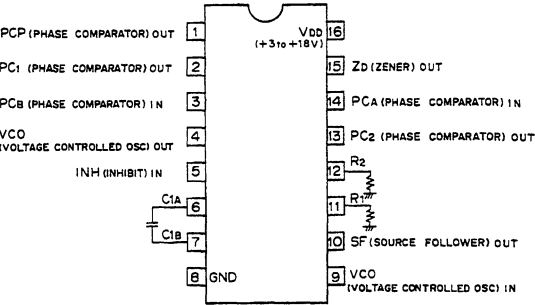
MC14013BF (MOTOROLA) FLAT PACKAGE
C-MOS D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
- TOP VIEW -



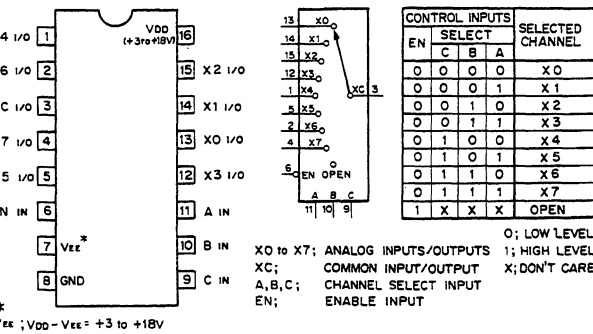
MC14066BF (MOTOROLA) FLAT PACKAGE
C-MOS BILATERAL ANALOG SWITCH
- TOP VIEW -



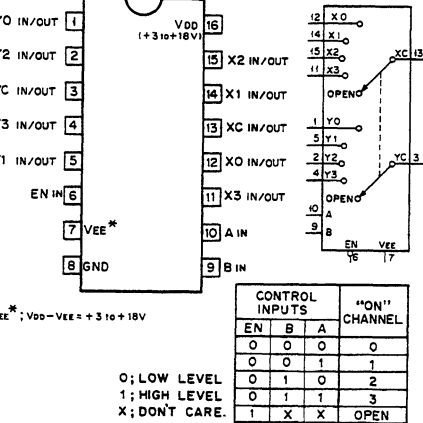
MC14046BF (MOTOROLA) FLAT PACKAGE
C-MOS PHASE LOCKED LOOP
- TOP VIEW -



MC14051BF (MOTOROLA) FLAT PACKAGE
C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -



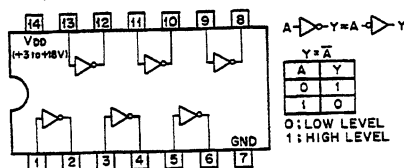
MC14052BF (MOTOROLA) FLAT PACKAGE
C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -



MC14069UBF (MOTOROLA)

C-MOS INVERTER

- TOP VIEW -

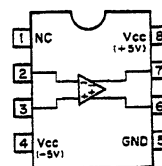


NJM360M (JRC) FLAT PACKAGE

HIGH SPEED VOLTAGE COMPARATOR

(TTL OUTPUT)

- TOP VIEW -

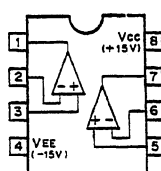


MC34182M (MOTOROLA) FLAT PACKAGE

OPERATIONAL AMPLIFIER

(J FET-INPUT)

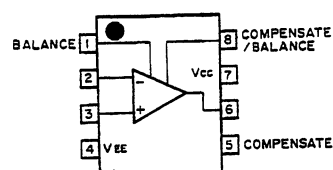
- TOP VIEW -



NJM5534M (JRC) FLAT PACKAGE

OPERATIONAL AMPLIFIER

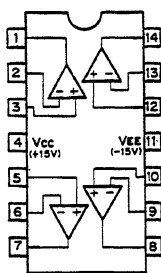
- TOP VIEW -



MC34184M (MOTOROLA) FLAT PACKAGE

JFET INPUT OPERATIONAL AMPLIFIER

- TOP VIEW -



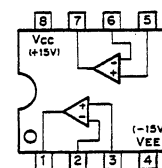
RC2041MD (RAYTHEON) FLAT PACKAGE

RC4560M (RAYTHEON) FLAT PACKAGE

RC5532M (RAYTHEON) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER

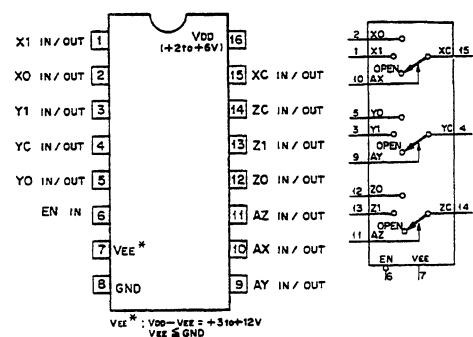
- TOP VIEW -



MC74HC4053F (MOTOROLA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

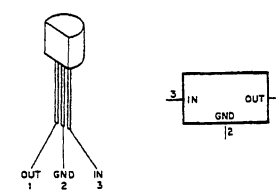
- TOP VIEW -



CONT. INPUTS	ON	CHANNEL
EN	A (X,Y,Z)	
0	0	0
0	1	1
1	X	OPEN

RC78L05A (RAYTHEON) + 5V

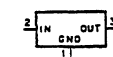
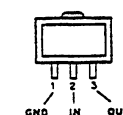
POSITIVE VOLTAGE REGULATOR (100mA)



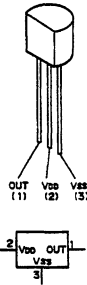
S-81230AG-RS (SEIKO) + 5.0V FLAT PACKAGE

THREE TERMINAL POSITIVE VOLTAGE REGULATOR

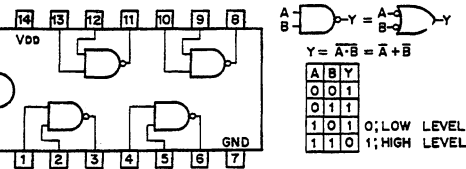
- TOP VIEW -



S-8053ALB (SEIKO I AND E) 2.80V - 3.10V
VOLTAGE DETECTOR



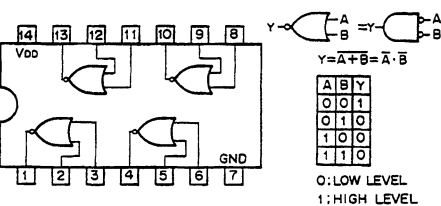
SN74HC00ANS (TI) FLAT PACKAGE
C-MOS QUAD 2-INPUT NAND GATE
- TOP VIEW -



NOTE :

TYPE	V _{DD}
TC74AC00P TC74AC00F	+2 to +5.5V
MC74HCT00N 74ACT00PC	+5V
OTHER TYPES	+2 to +6V

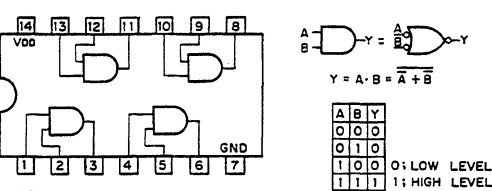
SN74HC02ANS (TI) FLAT PACKAGE
C-MOS QUAD 2-INPUT NOR GATE
- TOP VIEW -



NOTE :

TYPE	V _{DD}
TC74AC02F	+2 to +5.5V
OTHER TYPES	+2 to +6V

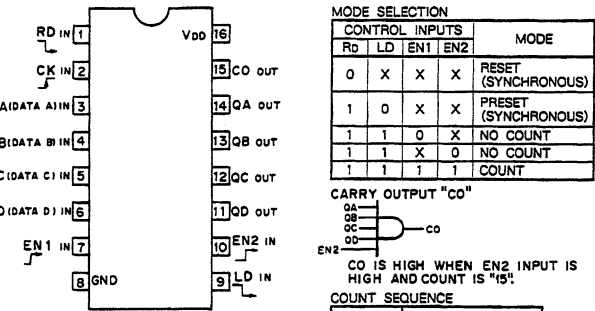
SN74HC08ANS (TI) FLAT PACKAGE
C-MOS QUAD 2-INPUT AND GATE
- TOP VIEW -



NOTE :

TYPE	V _{DD}
TC74AC08F	+2 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC163ANS (TI) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
- TOP VIEW -



MODE SELECTION

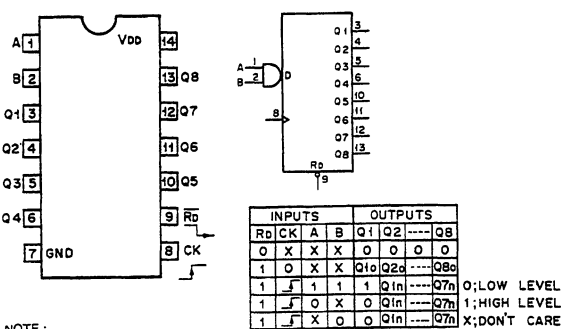
CONTROL INPUTS					MODE
Rd	LD	EN1	EN2		
0	X	X	X		RESET (SYNCHRONOUS)
1	0	X	X		PRESET (SYNCHRONOUS)
1	1	0	X		NO COUNT
1	1	1	1		COUNT

CARRY OUTPUT "CO"
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

SN74HC164NS (TI) FLAT PACKAGE
C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER
- TOP VIEW -



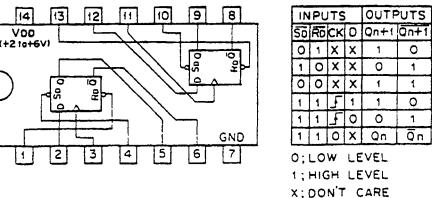
INPUTS OUTPUTS

Rd	CK	A	B	Q1	Q2	...	Q8
0	X	X	X	0	0	0	0
1	0	X	X	Q10	Q20	...	Q80
1	1	1	1	Q1n	Q2n	...	Q8n
1	1	0	X	Q1n	Q2n	...	Q7n
1	1	X	0	Q1n	Q2n	...	Q7n
1	1	X	X	Q1n	Q2n	...	Q7n

NOTE :

TYPE	V _{DD}
TC74AC164F	+2 to +5.5V
OTHER TYPES	+2 to +6V

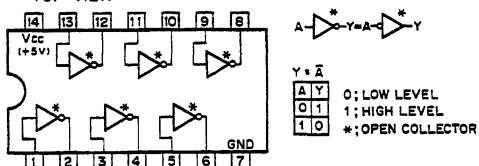
SN74HC74ANS (TI) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT-SET/RESET
- TOP VIEW -



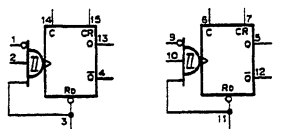
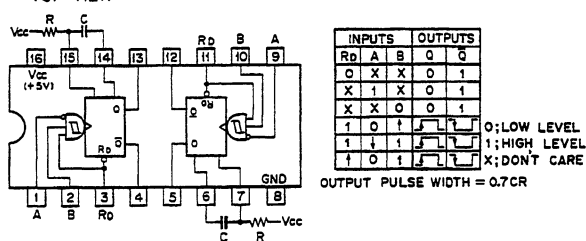
INPUTS OUTPUTS

Rd	CK	D	Qn+1	Qn
0	1	X	X	1
1	0	X	X	1
1	0	X	X	1
1	1	1	1	0
1	1	1	1	0
1	1	0	0	1
1	1	0	0	1

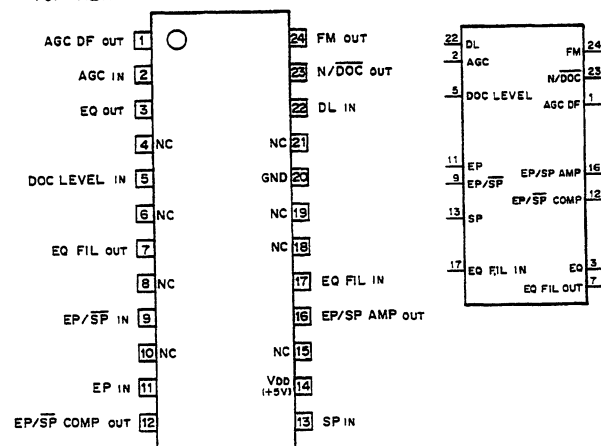
SN74LS06NS (TI) FLAT PACKAGE

TTL INVERTER BUFFER/DRIVER WITH OPEN-COLLECTOR
- TOP VIEW -

SN74LS221NS (TI) FLAT PACKAGE

TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
- TOP VIEW -

TA8607F (TOSHIBA) FLAT PACKAGE

C-MOS PB FM PROCESSOR FOR VTR
- TOP VIEW -

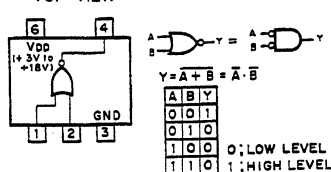
INPUT

AGC : AGC AMP SIGNAL
DL : 1H DELAY LEVEL SIGNAL
DOC : DOC DETECT LEVEL ADJUSTMENT
EP : EP INPUT SIGNAL
EP/SP : CONTROL SIGNAL (H: EP/L: SP)
EQ FIL IN : EQUALIZER FILTER SIGNAL
SP : SP INPUT SIGNAL

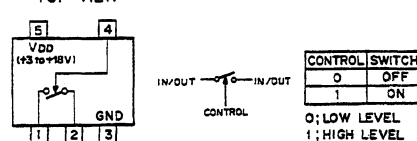
OUTPUT

AGC DF : AGC DETECT FILTER SIGNAL
EP/SP AMP : EP/SP 12dB AMPLIFIER SIGNAL
EP/SP COMP : EP/SP LEVEL COMPARE SIGNAL
EQ : EQUALIZER AMP SIGNAL
EQ FIL OUT : EQUALIZER FILTER SIGNAL
FM : FM OUTPUT SIGNAL
N/DOC : DETECT SIGNAL (H: NORMAL/L: DOC)

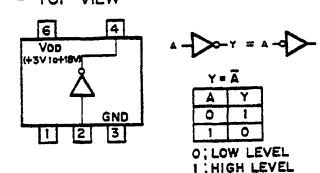
TC4S01F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NOR GATE
- TOP VIEW -

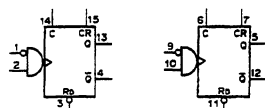
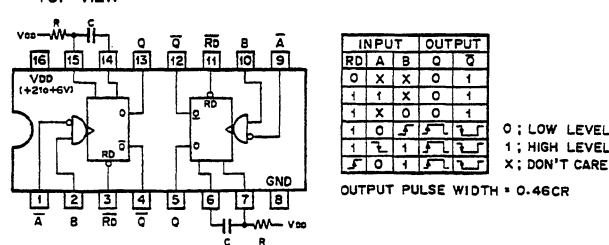
TC4S66F (TOSHIBA)

C-MOS BILATERAL ANALOG SWITCH
- TOP VIEW -

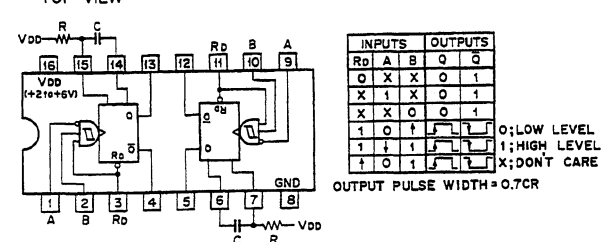
TC4SU69F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER BUFFER
- TOP VIEW -

TC74HC123AF (TOSHIBA) FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
- TOP VIEW -

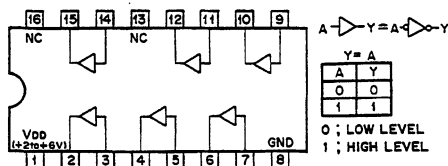
TC74HC221AF (TOSHIBA) FLAT PACKAGE

C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
- TOP VIEW -

TC74HC4050F (TOSHIBA) FLAT PACKAGE

C-MOS NON-INVERTING TYPE BUFFER/CONVERTER

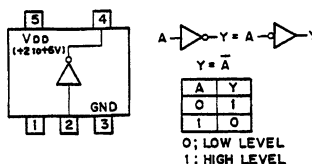
- TOP VIEW -



TC7S04F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER

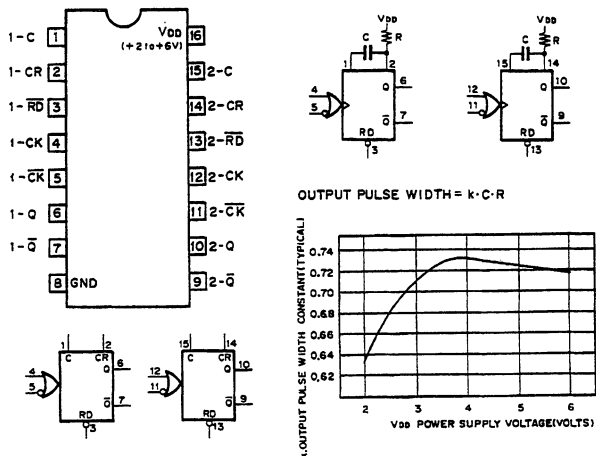
- TOP VIEW -



TC74HC4538AF (TOSHIBA) FLAT PACKAGE

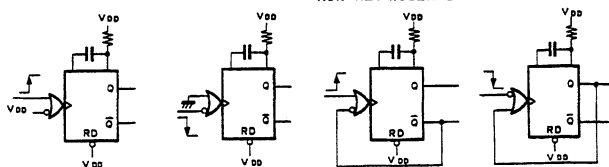
C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR

- TOP VIEW -



RETRIGGERABLE M.M.V

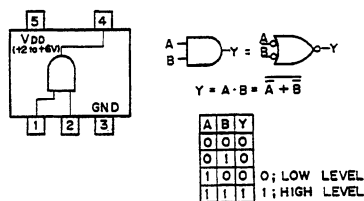
NON-RETRIGGERABLE M.M.V



TC7S08F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT AND GATE

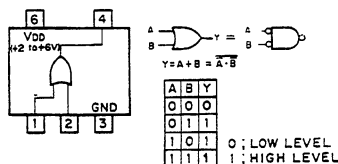
- TOP VIEW -



TC7S32F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT OR GATE

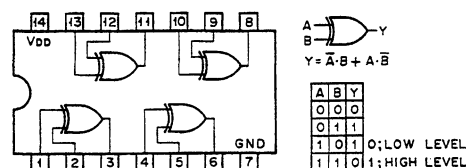
- TOP VIEW -



TC74HC86AF (TOSHIBA) FLAT PACKAGE

C-MOS EXCLUSIVE OR GATE

- TOP VIEW -



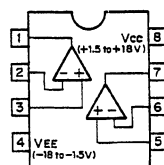
TYPE	VDD
TC74AC86F	+2 to +5.5V
OTHER TYPES	+2 to +6V

TL062CPS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER

(JFET INPUT)

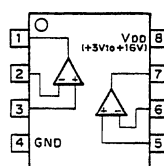
- TOP VIEW -



TLC27M2CPS (TI) FLAT PACKAGE

OPERATIONAL AMPLIFIER

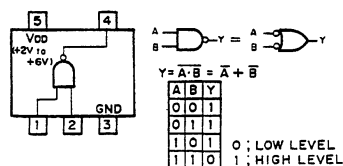
- TOP VIEW -



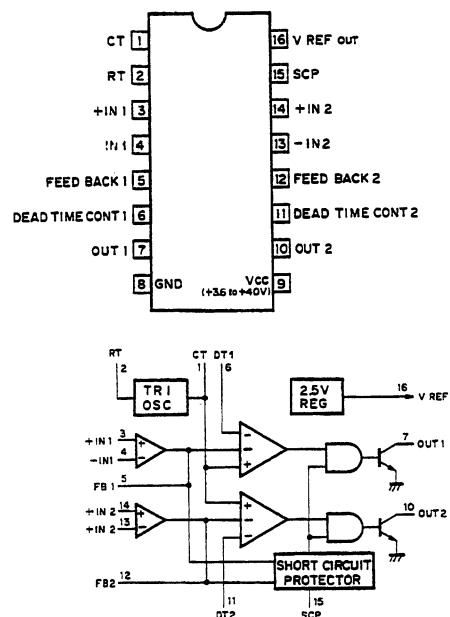
TC7S00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

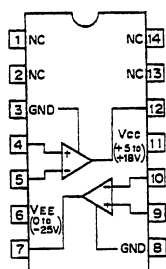
- TOP VIEW -



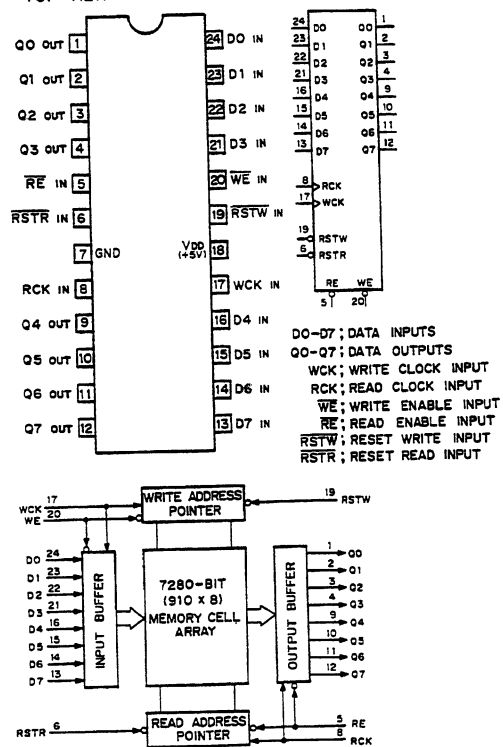
TL1451ACNS (TI) FLAT PACKAGE
DUAL PWM POWER CONTROLLER
- TOP VIEW -



UPC319G2 (NEC) FLAT PACKAGE
DUAL VOLTAGE COMPARATOR
- TOP VIEW -



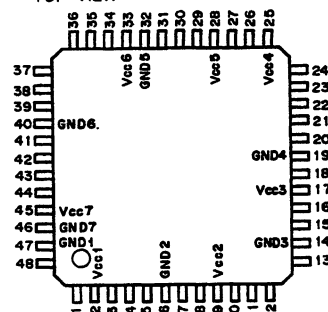
UPD42101C-3 (NEC)
C-MOS 7K (910x8)-BIT FIFO MEMORY
- TOP VIEW -



CXA1370Q (SONY)

DEMODULATOR/OVER MODULATION COMPENSATOR

- TOP VIEW -



(Vcc = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	OMC	13	I	DRPV	25	-	Vcc4	37	I	SHREF
2	-	Vcc1	14	-	GND3	26	O	DEMCV	38	I	SHAPL
3	O	MVDC	15	O	BBO	27	I	VDGAIN	39	I	SHCLP
4	I	LMT2	16	O	BAO	28	-	Vcc5	40	-	GND6
5	I	LMT1	17	-	Vcc3	29	I	IEXT2	41	I	LM2IN1
6	-	GND2	18	O	SWO	30	I	VIIN	42	I	LM2IN2
7	I	HFX	19	-	GND4	31	I	IEXT1	43	I	LM1IN1
8	I	LDO	20	I	SW3	32	-	GND5	44	I	LM1IN2
9	-	Vcc2	21	I	SWC1	33	-	Vcc6	45	-	Vcc7
10	O	DMRC	22	I	SW2	34	O	SHO	46	-	GND7
11	O	FDDEC	23	I	SWC2	35	O	SHC	47	-	GND1
12	I	DMGAIN	24	I	SW1	36	I	SHVIN	48	I	REFV

Vcc1, GND1; FOR OVER MODULATION COMPENSATOR

Vcc2, GND2; FOR DEMODULATOR

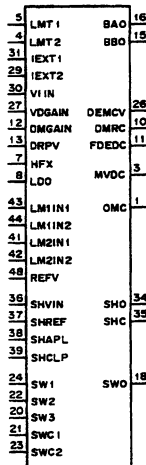
Vcc3, GND3; FOR BUFFER

Vcc4, GND4; FOR 3 INPUT SWITCH

Vcc5, GND5; FOR DEMODULATOR

Vcc6, GND6; FOR SAMPLE HOLD

Vcc7, GND7; FOR LIMITER

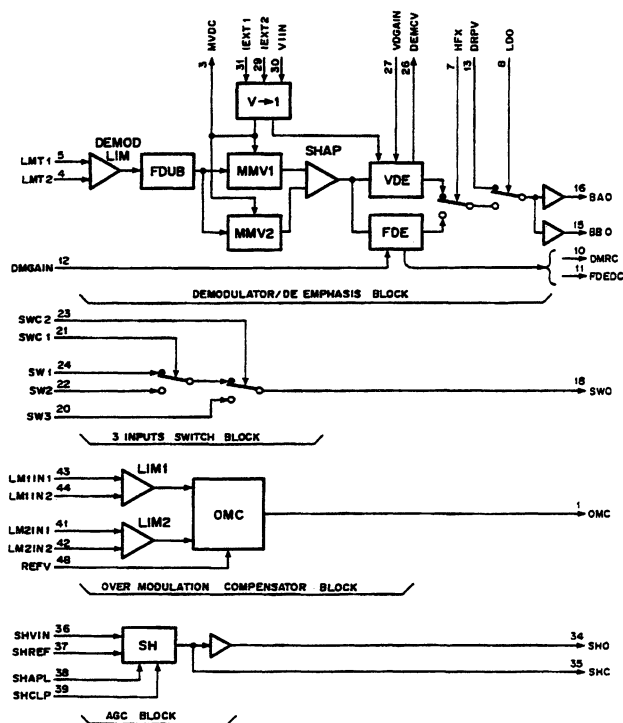


INPUT

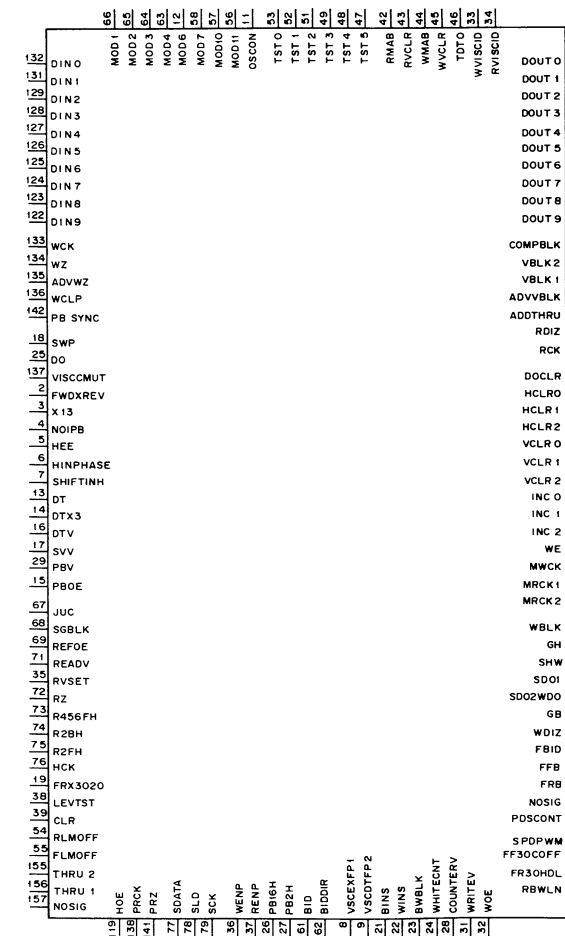
- DMGAIN : FOR RESISTOR
- DRPV : VIDEO SIGNAL
- HFX : SWITCH CONTROL
- IEXT1, 2 : FOR RESISTOR
- LM1, 2 : OVER MODULATION COMPENSATE LIMITER
- LMT1, 2 : DEMODULATE LIMITER
- LDO : SWITCH CONTROL
- REFV : REFERENCE VOLTAGE
- SHAPL : FOR RESISTOR
- SHCLP : SAMPLE HOLD PULSE
- SHREF : SAMPLE HOLD REFERENCE VOLTAGE
- SHVIN : SAMPLE HOLD DEMODULATE VIDEO
- SW1 - 3 : 3 INPUT SWITCH
- SWC1, 2 : 3 INPUT SWITCH CONTROL
- VDGAIN : GAIN CONTROL VOLTAGE
- VIIN : V→I CONTROL VOLTAGE

OUTPUT

- BAO, BBO : DEMODULATOR
- DEMCV : VARIABLE DEEMPHASIS CONSTANT
- DMRC : FIXED DEEMPHASIS CONSTANT
- FDDEC : FIXED DEEMPHASIS DECOUPLING
- MVDC : MONOMULTI DECOUPLING
- OMC : OVER MODULATION COMPENSATOR
- SHC : SAMPLE HOLD CAPACITY
- SHO : SAMPLE HOLD
- SWO : 3 INPUT SWITCH



C-MOS VIDEO DATA PROCESS/SYNC GUARD/MEMORY CONTROLLER
- TOP VIEW -



(V _{DD} = +5V)											
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	41	—	GND	81	—	GND	121	—	GND
2	I	FWDXREY	42	I/O	RMAB	82	O	RBWLN	122	I	DIN9
3	I	X13	43	I/O	RYCLR	83	O	COMPLBK	123	I	DIN8
4	I	NOIPB	44	I/O	WMAB	84	O	YBLK2	124	I	DIN7
5	I	HEE	45	I/O	WYCLR	85	O	YBLK1	125	I	DIN6
6	I	HINPHASE	46	I/O	TDTO	86	O	ADYYBLK	126	I	DIN5
7	I	SHIFTLIN	47	I	TS75	87	O	ADDTTHRU	127	I	DIN4
8	O	YSCEXP1	48	I	TS74	88	O	RDIZ	128	I	DIN3
9	O	YSCDTFP2	49	I	TS73	89	O	RCK	129	I	DIN2
10	—	GND	50	—	GND	90	—	GND	130	—	GND
11	I	OSCON	51	I	TS72	91	O	YCLR2	131	I	DIN1
12	I	MOD6	52	I	TS71	92	O	INC2	132	I	DIN0
13	I	DT	53	I	TS70	93	O	HCLR2	133	I	WCK
14	I	DTX3	54	I	RLMOFF	94	O	MRCK2	134	I	WZ
15	I	PBOE	55	I	FLMOFF	95	O	YCLR1	135	I	ADYWZ
16	I	DTY	56	I	MOD11	96	O	INC1	136	I	WCLP
17	I	SY	57	I	MOD10	97	O	HCLR1	137	I	YISCMUT
18	I	SWP	58	I	MOD7	98	O	MRCK1	138	I	PRCK
19	I	FRX3020	59	—	GND	99	O	YCLR0	139	—	GND
20	—	V _{DD}	60	—	V _{DD}	100	—	V _{DD}	140	—	V _{DD}
21	O	BINS	61	I/O	BID	101	O	INCO	141	I	PRZ
22	O	WINS	62	I/O	BIDDIR	102	O	HCLR0	142	I	PBSYNC
23	O	BWBLK	63	I	MOD4	103	O	DOCLR	143	O	WBLY
24	O	WHITECTN	64	I	MOD3	104	O	MWCK	144	I/O	GH
25	I	DO	65	I	MOD2	105	O	WE	145	O	SHW
26	I/O	PB16H	66	I	MOD1	106	O	DOU70	146	I/O	SDO1
27	I/O	PB2H	67	I	JUC	107	O	DOU71	147	I/O	GB
28	O	COUNTRY	68	I	SGBLK	108	O	DOU72	148	O	WDIZ
29	I/O	PBY	69	I	REFOE	109	O	DOU73	149	I/O	FBID
30	—	GND	70	—	GND	110	—	GND	150	—	GND
31	O	WRITE	71	I	READY	111	O	DOU74	151	I/O	FFB
32	O	WOE	72	I	RZ	112	O	DOU75	152	I/O	FRB
33	I/O	WYISCID	73	I	R456FH	113	O	DOU76	153	O	FF30COFF
34	O	RYISCID	74	I	R28H	114	O	DOU77	154	O	FR30HDL
35	I/O	RYSET	75	I	R2FH	115	—	—	155	I	THRU2
36	I/O	WENP	76	I	HCK	116	O	DOU78	156	I	THRU1
37	I/O	REN	77	I	SDATA	117	O	DOU79	157	I/O	NSOIS
38	I	LEYTST	78	I	SLD	118	O	SDO2WDO	158	O	PDSCONT
39	I	CLR	79	I	SKL	119	I	HOE	159	O	SPDPWM
40	—	V _{DD}	80	—	V _{DD}	120	—	V _{DD}			

IC

```

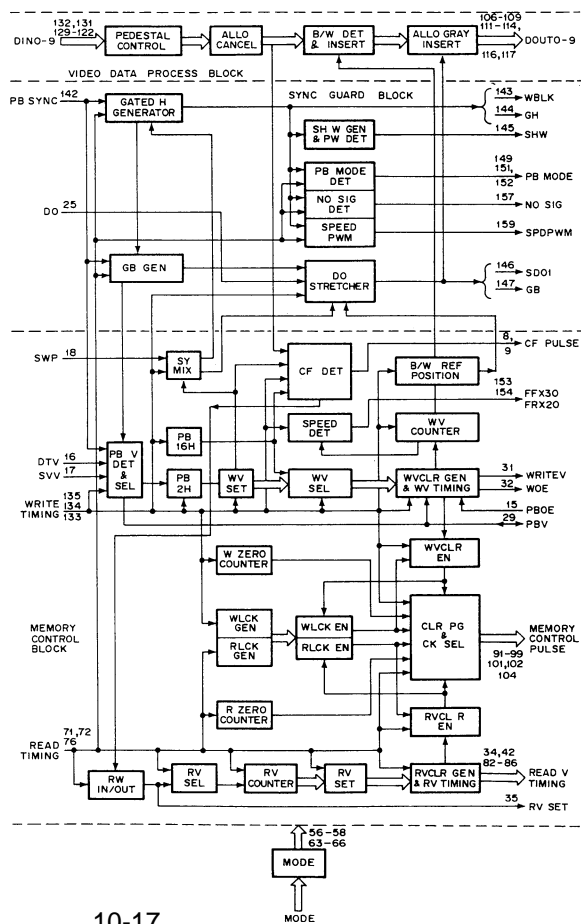
ADDU1RH0      : YSQ->L: AUD THROUGH CSQ->L: SECAM COMPOSITE V TOP
ADDVBLBK      : Y ADD CONTROL
BINS          : H: BLACK REF INSERT PULSE
BWLK          : L: BLACK & WHITE REF BLANKING PULSE
COMPBK        : L: COMPOSITE BLANKING
COUNTERV      : COUNTER V/RVL
DOCLR         : WRITE H CLEAR PULSE
DOOUT0-9      : OUTPUT VIDEO DATA 20-29
FR30COFF      : L: MORE THAN 4 30 TIMES NORMAL SPEED/L: CHROMA OFF
FR30HDL       : L: MORE THAN 4 30 TIMES NORMAL SPEED/L: CHROMA OFF
              : /L: COLOR FRAMING DISCORD H SHIFT
HCLR0         : WRITE MEMORY LINE ADDRESS COUNTER CLEAR PULSE
HCLR1, 2      : READ MEMORY LINE ADDRESS COUNTER CLEAR PULSE
INC0          : READ MEMORY LINE ADDRESS COUNTER CLOCK
INC1, 2       : READ MEMORY LINE ADDRESS COUNTER CLOCK
MRCK1, 2      : READ MEMORY CLOCK
MWCK          : WRITE MEMORY CLOCK
POSCONT       : A/D CLAMP CONTROL
RBLWLN        : BLACK/WHITE LEVEL DIFFERENCE INSERT LINE
RCK           : READ MEMORY AFTER CLOCK
RDIZ          : READ SYSTEM LINE ALTERNATE
RVISCID       : L: VISC  $\phi$  DET LINE (525: 11 LINE, 625: 8 LINE)
              : /L: COLOR FRAMING ID BLANKING PULSE (525: 15 LINE, 625: 12 UNE)
SD02WDO       : STRETCH ED DO PULSE
SHW           : WINDOW TO DETECT HORIZONTAL SYNC
SDFPWM        : PB SPEED PWM
VBLK1         : V BLANKING PULSE
VBLK2         : ENR DO INHIBIT PULSE
VCLR0         : WRITE MEMORY LINE ADDRESS COUNTER CLEAR PULSE
VCLR1, 2      : READ MEMORY LINE ADDRESS COUNTER CLEAR PULSE
VSCDTFF2      : H: PB VISC PHASE COMPARISON ENABLE PULSE 1H: CFLO (-)
VSCXFP1       : L: PB VISC EXIST/H: CFID (+)
WBLK          : VIDEO BLANKING USED IN DETECTING HORIZONTAL SYNC.
WE            : L: WRITE ENABLE
WDIZ          : WRITE SYSTEM LINE ALTERNATE
WHITECNT      : WHITE CONTROL
WINS          : H: WHITE REF INSERT PULSE
WOE           : YSQ OUTPUT TO PB OE OF CSQ
WRITEV        : YSQ OUTPUT TO PB VE OF CSQ

```

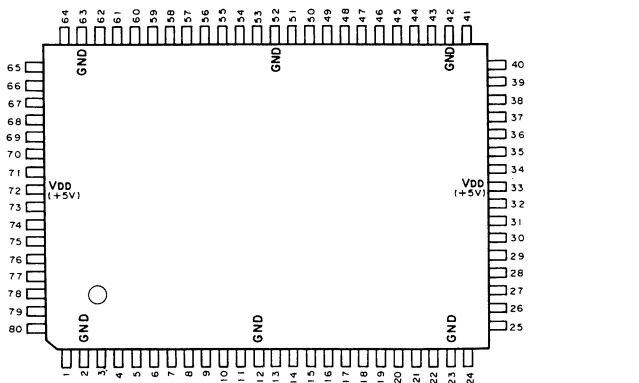
```

INPUT/OUTPUT
:
: L : BIDIREX
BIDDIR : H : FORWARD, L : REVERSE
FBID : L : FAST BIDIREX
FFB : L : FAST FORWARD BIDIREX
FRB : L : FAST REVERSE BIDIREX
GB : L : GUARD BAND
GH : GATED H SYNC
NOSIG : L : NO SIGNAL
PB16H : ADVANCE WRITE ZERO RESET, 16 TIMES H RATE
PB2H : PB V RESET, 2 TIMES H RATE
PBV : Y NORMAL PB V REFERENCE PULSE
RENIP : L : READ EXTRACT INHIBIT PULSE
RMAB : READ EXJ RCT PULSE
RVCLR : READ V CLEAR LINE
RVSET : YSQ OUTPUT TO READ V OF CSQ
SDO1 : STRETCH ED DO PULSE
TDTO : TIME CODE DATA
WENP : L : WRITE EXTRACT INHIBIT PULSE
WMAB : WRITE EXTRACT PULSE
WVCLR : WRITE V CLEAR LINE
WVISCID : PB VISC BLANKING PULSE (525 : 11 LINE, 625 : 8 LINE)
: L : CFID BLANKING PULSE (525 : 11 LINE, 625 : 12 LINE)

```



C-MOS DIGITAL CHROMA EXPANDER
- TOP VIEW -

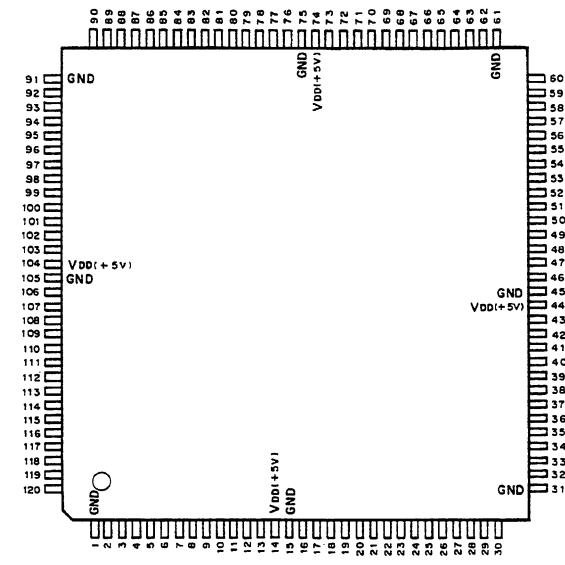


						(V _{DD} = +5V)					
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	TLOAD	21	I	L : DT	41	O	RY1	61	O	BV6
2	-	GND	22	I	TRST	42	-	GND	62	O	BV7
3	I	CK	23	-	GND	43	O	RY2	63	-	GND
4	I	LBID	24	I	CIN0	44	O	RY3	64	O	BV8
5	I	LCBLK	25	I	CIN1	45	O	RY4	65	O	BV9
6	I	LVBLK	26	I	CIN2	46	O	RY5	66	I	LENBY
7	I	LBV	27	I	CIN3	47	O	RY6	67	I	HSYNC
8	I	XTRE	28	I	CIN4	48	O	RY7	68	I	DTSTB
9	I	XTWE	29	I	CIN5	49	O	RY8	69	I	S LD
10	O	TRO0	30	I	CIN6	50	O	RY9	70	O	S OUT
11	O	TRO1	31	I	CIN7	51	I	LENRY	71	I	S DATA
12	-	GND	32	I	CIN8	52	-	GND	72	I	SCK
13	I	LFRCOMB	33	-	V _{DD}	53	I	TRIO	73	-	V _{DD}
14	I	LCFMB OFF	34	I	CIN9	54	I	XMM	74	I	XTST0
15	I	L625	35	I	TRI1	55	O	BY0	75	I	XTST1
16	I	LC MUTE1	36	I	TRI2	56	O	BY1	76	I	XTST2
17	I	LC MUTE2	37	I	TRI3	57	O	BY2	77	I	XTST3
18	I	LC MPLX	38	I	TRI4	58	O	BY3	78	-	-
19	I	L3S4	39	I	TRI5	59	O	BY4	79	O	ENS0
20	I	LAP OFF	40	O	RY0	60	O	BY5	80	O	ENS1

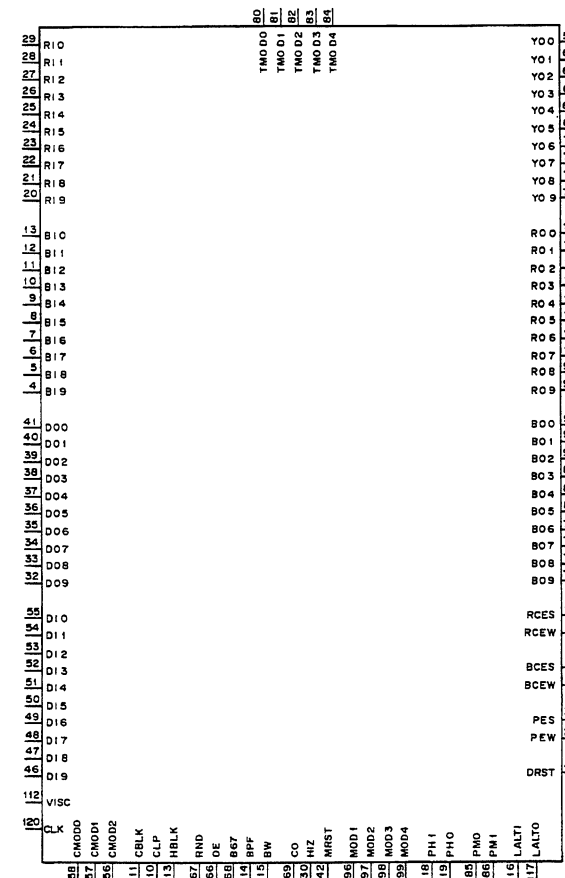
24	CIN0	RY0	40	INPUT	
25	CIN1	RY1	41	CIN0 - CIN9	: COMPLEXED CHROMA DATA (10 bit)
26	CIN2	RY2	43	CK	: SYSTEM CLOCK
27	CIN3	RY3	44	DTSTB	: TEST MODE B-/R-Y STROBE
28	CIN4	RY4	45	HSYNC	: HORIZONTAL SYNC
29	CIN5	RY5	46	L3S4	: L: COMPRESS BY 3/4
30	CIN6	RY6	47	L625	: LIMITER LEVEL (H: 12.5%, L: 6.25%)
31	CIN7	RY7	48	LAP OFF	: LAP (X) /X CORRECTION OFF
32	CIN8	RY8	49	LBID	: L: BIDIREX
33	CIN9	RY9	50	LBV	: COMPLEXED CHROMA DATA POSITION (H: R-Y, L: B-Y)
34				LCBLK	: COMPOSITE BLANKING
				LCOMB OFF	: L: COMB FILTER OFF MODE
				LCMPXL	: L: COMPLEX
				LC MUTE1, 2:	L: CHROMA DATA MUTE
				LDT	: L: DYNAMIC TRACKING MODE
3	CK	BY0	55	LENBY	: B-Y ENABLE
5	LCBLK	BY1	56	LENRY	: R-Y ENABLE
6	LVBLK	BY2	57	LFRCOMB	: L: COMB FILTER ON MODE
7	LBV	BY3	58	LVBLK	: V BLANKING
13	LFRCOMB	BY4	59	SCK	: SERIAL CLOCK
14	LCOMBOFF	BY5	60	S DATA	: SERIAL DATA
15	L625	BY6	61	S LD	: SERIAL LATCH PULSE
18	LCMPXL	BY7	62	TLOAD	: TEST MODE
19	L3S4	BY8	64	TRIO - TRI5	: TEST MODE
20	LAPOFF	BY9	65	TRST, XMM	: TEST MODE
26	LCMUTE 1			XTRE	: TEST MODE
27	LCMUTE 2			XTSTO - 3	: TEST MODE
31				XTWE	: TEST MODE
57	LENRY	ENS0	79		
67	LENBY	ENS1	80	OUTPUT	
67	HSYNC			BY0 - BY9	: B-Y CHROMA DATA or COMPLEXED CHROMA DATA
68	DTSTB			ENS0, 1	: COMPRESS CHROMA EDGE DATA
4	URJ			RY0 - RY9	: R-Y CHROMA DATA or COMPLEXED DATA for D1 INTERFACE
				SOUT	: SERIAL DATA
				TR00, 1	: TEST MODE

51	LENRY	ENS 1	80	OUTPUT	
66	LENBY			BY0 - BY9	: B-Y CHROMA DATA or COMPLEXED CHROMA DATA
67	HSYNC			ENS0, 1	: COMPRESS CHROMA EDGE DATA
68	DTSTB			RY0 - RY9	: R-Y CHROMA DATA or COMPLEXED DATA for D1 INTERFACE
4	LEND			SOUT	: SERIAL DATA
				TR00, 1	: TEST MODE

CXD8161AQ (SONY) FLAT PACKAGE

C-MOS DIGITAL Y/C SEPARATOR & CHROMA DECODER
- TOP VIEW -

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	-	GND	31	-	GND	61	-	GND	91	-	GND
2	O	PEW	32	I	DO9	62	O	YO2	92	O	BO1
3	O	PES	33	I	DO8	63	O	YO3	93	O	BO0
4	I	BI9	34	I	DO7	64	O	YO4	94	O	RO9
5	I	BI8	35	I	DO6	65	O	YO5	95	O	RO8
6	I	BI7	36	I	DO5	66	I	OE	96	I	HOD1
7	I	BI6	37	I	DO4	67	I	RND	97	I	HOD2
8	I	BI5	38	I	DO3	68	I	B67	98	I	HOD3
9	I	BI4	39	I	DO2	69	I	CO	99	I	HOD4
10	I	BI3	40	I	DO1	70	O	YO6	100	O	RO7
11	I	BI2	41	I	DO0	71	O	YO7	101	O	RO6
12	I	BI1	42	I	MRST	72	O	YO8	102	O	RO5
13	I	BI0	43	O	DRST	73	O	YO9	103	O	RO4
14	-	VDD	44	-	VDD	74	-	VDD	104	-	VDD
15	-	GND	45	-	GND	75	-	GND	105	-	GND
16	O	BCEW	46	I	DI9	76	O	BO9	106	O	RO3
17	O	BCES	47	I	DI8	77	O	BO8	107	O	RO2
18	O	RCEW	48	I	DI7	78	O	BO7	108	O	RO1
19	O	RCES	49	I	DI6	79	O	BO6	109	O	RO0
20	I	RI9	50	I	DI5	80	I	TMOD0	110	I	CLP
21	I	RI8	51	I	DI4	81	I	TMOD1	111	I	CLBK
22	I	RI7	52	I	DI3	82	I	TMOD2	112	I	YISC
23	I	RI6	53	I	DI2	83	I	TMOD3	113	I	HBLK
24	I	RI5	54	I	DI1	84	I	TMOD4	114	I	BPF
25	I	RI4	55	I	DIO	85	I	PM0	115	I	BW
26	I	RI3	56	I	CMOD2	86	I	PM1	116	I	LALT1
27	I	RI2	57	I	CMOD1	87	O	BO5	117	O	LALT0
28	I	RI1	58	I	CMOD0	88	O	BO4	118	I	PH1
29	I	RI0	59	O	YO0	89	O	BO3	119	I	PH0
30	I	HIZ	60	O	YO1	90	O	BO2	120	I	CLK



INPUT

B67 : CORRELATION DETECT SENSITIVITY SELECT (H: 6 BITS/L: 7 BITS)

BI0 - BI9 : B-Y DATA (COMPONENT MODE)

BPF : L: BAND PASS FILTER SELECT

BW : COMPOSITE SIGNAL THROUGH OUT CONTROL

CLBK : CHROMA BLANKING PULSE

CLK : CLOCK

CLP : CLAMP PULSE

* 1) CMOD0 - D2 : Y/C CORRECTION MODE SELECT

CO : CHROMA DECODE CONTROL

DIO - DI9 : 2H DELAY DATA (COMPOSITE MODE) for NTSC

DO0 - DO9 : 4H DELAY DATA (COMPOSITE MODE) for PAL/PAL-M

1H DELAY DATA (COMPOSITE MODE) for NTSC

2H DELAY DATA (COMPOSITE MODE) for PAL/PAL-M

HBLK : H BLANKING PULSE

HIZ : PULSE CONTROL

LALT1 : LINE ALTERNATE

* 2) MODE1 - MODE4 : MODE SELECT

MRST : RESET

OE : OUTPUT ENABLE

PH0, PH1 : REFERENCE PHASE for CHROMA DECODE and VISC GENERATION

PM0, PM1 : PHASE SHIFT CONTROL

RI0 - RI9 : COMPOSITE DATA (COMPOSITE MODE)

R-Y DATA (COMPONENT MODE)

CHROMA DATA (CHROMA MODE)

RND : OUTPUT ROUND OFF SELECT

TMOD0 - D4 : TEST MODE/BPF STAGE SELECT

VISC : VERTICAL INTERVAL SUB-CARRIER CONTROL

OUTPUT

BCES : B-Y CLAMP ERROR SENSE

BCEW : B-Y CLAMP ERROR WIDTH

BO0 - BO9 : B-Y DATA (B 09: MSB)

DRST : EXTERNAL DELAY LINE RESET

LALT0 : LINE ALTERNATE

PEW : PHASE ERROR SENSE

RCES : PHASE ERROR WIDTH

RCEW : R-Y CLAMP ERROR SENSE

RO0 - RO9 : R-Y CLAMP ERROR WIDTH

YO0 - YO9 : R-Y DATA (R09: MSB)

Y DATA (Y09: MSB)

CMOD2	CMOD1	CMOD0	MODE
0	0	0	0-1 FIX
0	0	1	1-2 FIX
0	1	0	0-1-2 FIX
0	1	1	BPF FIX
1	0	0	0-1/1-2/0-1 ADAPTIVE
1	0	1	0-1/1-2/1-2 ADAPTIVE
1	1	0	0-1/1-2/0-1-2 ADAPTIVE
1	1	1	0-1/1-2/0-1-2/BPF ADAPTIVE

0 : LOW LEVEL
1 : HIGH LEVEL

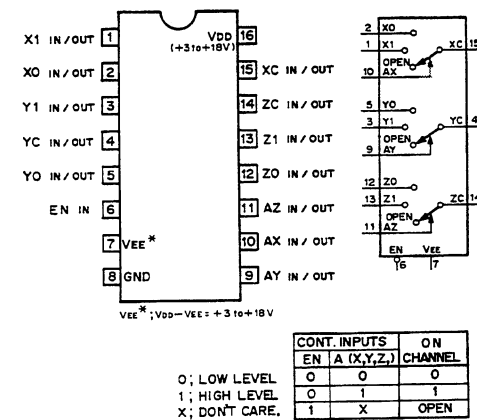
0-1 : UPPER 2 LINE COMB FILTER
1-2 : LOWER 2 LINE COMB FILTER
0-1-2 : UPPER/LOWER 3 LINE COMB FILTER

MODE2	MODE1	MODE
0	0	PAL
0	1	PAL-M
1	0	SECAM
1	1	NTSC

MODE4	MODE3	MODE
0	0	COMPONENT
0	1	CTDM
1	0	COMPOSITE
1	1	CHROMA

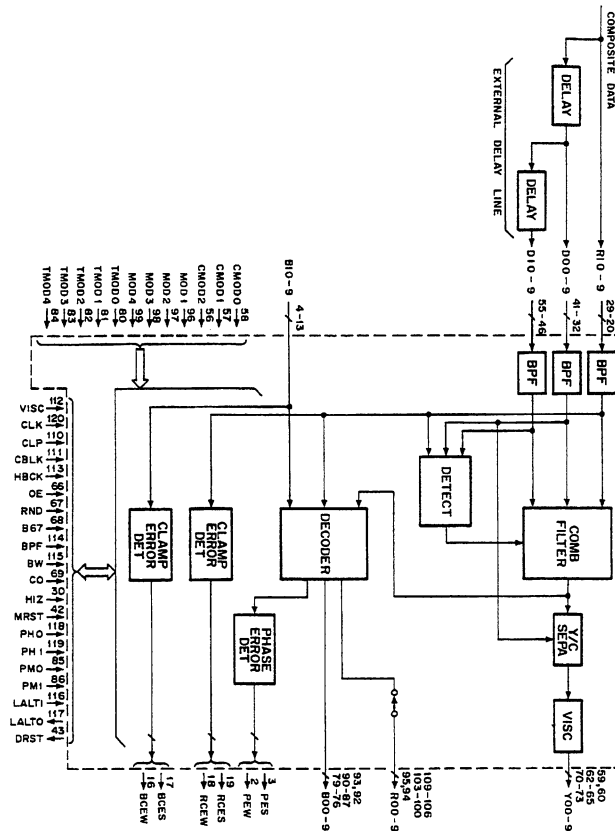
0 : LOW LEVEL
1 : HIGH LEVEL

HD14053BFP (HITACHI) FLAT PACKAGE

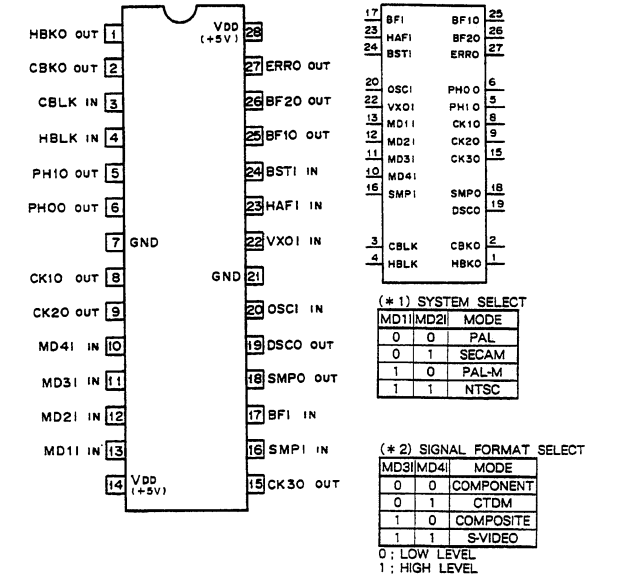
C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE.

CONT. INPUTS		ON
EN	A (X,Y,Z)	CHANNEL
0	0	0
0	1	1
1	X	OPEN



CXD8243M (SONY) FLAT PACKAGE

C-MOS DIGITAL YC SEPARATOR/DECODER/CTDM CLOCK GENERATOR
- TOP VIEW -

INPUT

BFI : BURST FLAG

BSTI : BURST FOR PHASE COMPARISON

CLBK : CHROMA BLANKING PULSE

HAFI : TRIGGER PULSE FOR BURST SAMPLING

HBLK : H BLANKING PULSE

MD1, 2I : SYSTEM SELECT (* 1)

MD3, 4I : SIGNAL FORMAT SELECT (* 2)

OSCI : H LOCK LOOP VCO

SMPI : TRAPEZOID SAMPLING PULSE OF THE H LOCK LOOP

VXOI : BURST LOCK LOOP VCXO

OUTPUT

BFI, 2O : BURST FLAG

CBKO : CHROMA BLANKING PULSE

CK1 - 3O : CLOCK, SELECTED BY MODE

DSCO : TRAPEZOID GENERATOR DISCHARGE PULSE

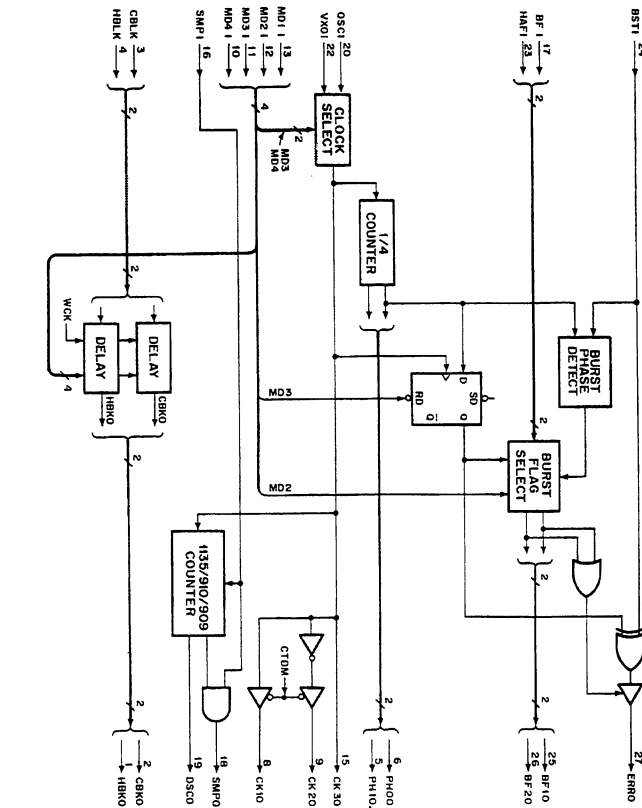
ERRO : BURST PHASE COMPARISON ERROR

HBKO : H BLANKING PULSE

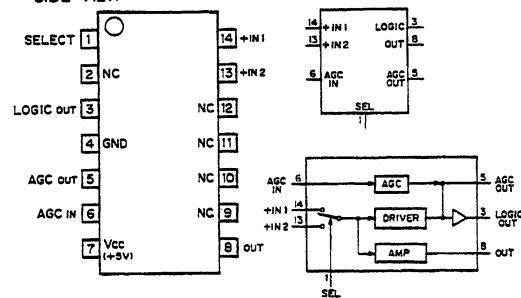
PHOO : 2FSC

PHIO : FSC

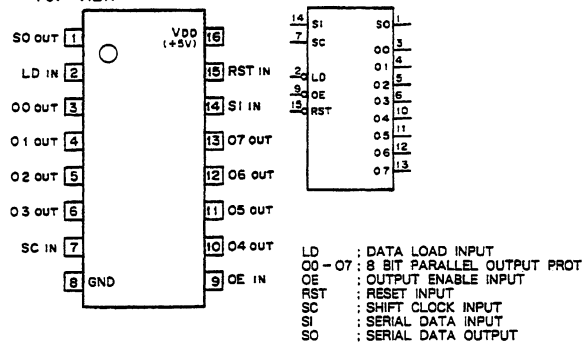
SMPO : TRAPEZOID SAMPLING PULSE OF THE H LOCK LOOP



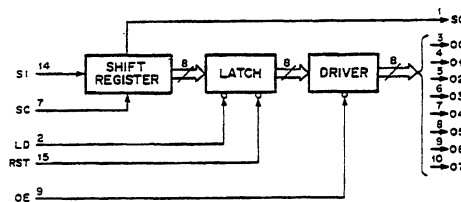
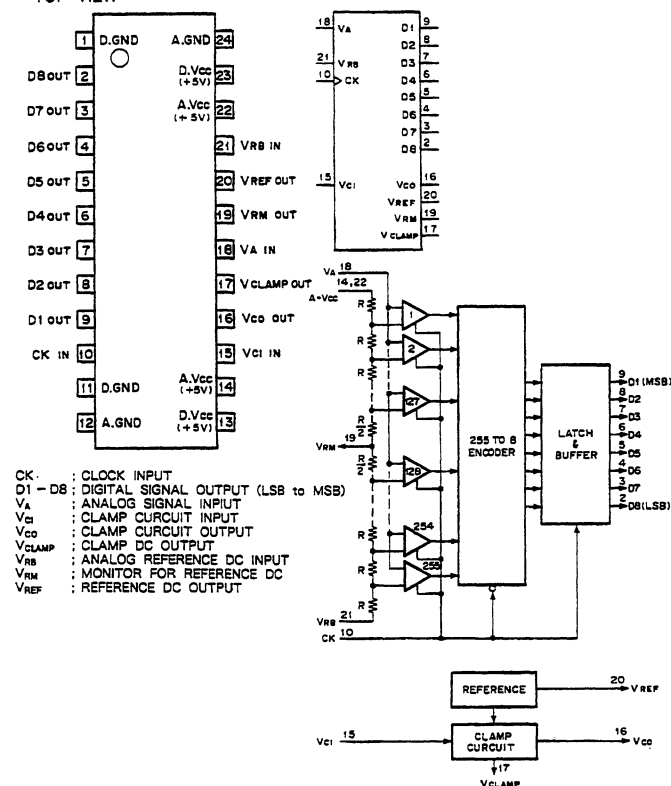
LA7205M (SANYO)

AGC AMP, INPUT SELECT, AGC DET, COMPARATOR
- SIDE VIEW -

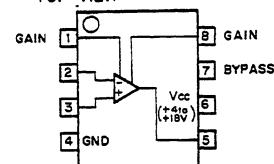
MB88306PF (FUJITSU) FLAT PACKAGE

C-MOS OUTPUT EXPANDER
- TOP VIEW -

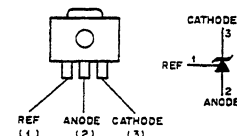
MB40568 (FUJITSU) FLAT PACKAGE

8BIT VIDEO A/D CONVERTER
- TOP VIEW -

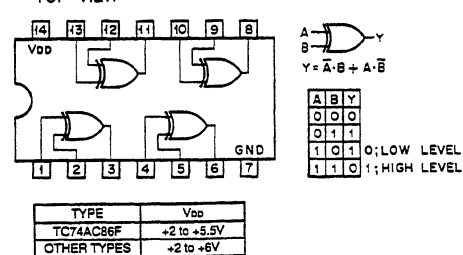
NJM386BM (JRC) FLAT PACKAGE

AUDIO POWER AMPLIFIER
- TOP VIEW -

NJM431U (JRC)

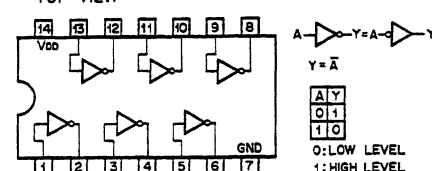
ADJUSTABLE PRECISION SHUNT REGULATOR
- FRONT VIEW -

SN74HC86ANS (TI) FLAT PACKAGE

C-MOS EXCLUSIVE OR GATE
- TOP VIEW -

SN74HC04ANS (TI) FLAT PACKAGE

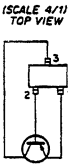
TC74HC04AF (TOSHIBA) FLAT PACKAGE

C-MOS HEX INVERTER
- TOP VIEW -

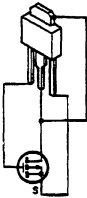
NOTE:

TYPE	VDD
74ACT04 TYPES	+5V
74HCT04 TYPES	+5V
TC74AC04F	+2 to +5.5V
TC74ACT04F	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

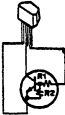
Transistor



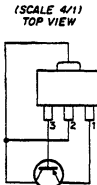
2SA1610
2SA1611



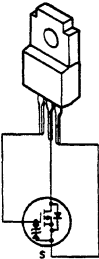
2SJ132



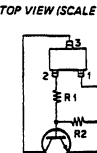
DTC144ES (R1 = 47K, R2 = 47K)



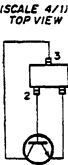
2SB798



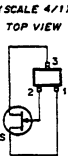
2SJ176



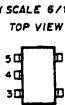
DTC144EU (R1 = 47K, R2 = 47K)



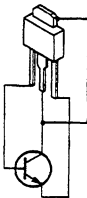
2SC4177
2SC4178
2SC4213
2SD596



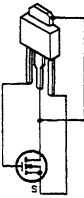
2SK663



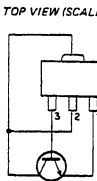
FMY3



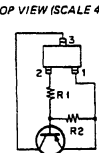
2SD1164



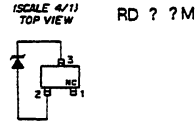
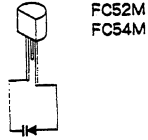
2SK738



2SD1623

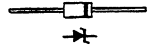
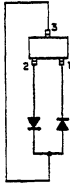


DTA144EU (R1 = 47K, R2 = 47K)



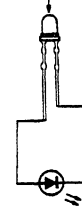
(SCALE 4/1)
TOP VIEW

DA204U



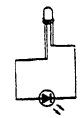
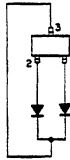
RD ? ? ESB ?

RADIATION SIDE SLH-34YC3 ; YELLOW



(SCALE 4/1)
TOP VIEW

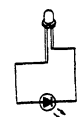
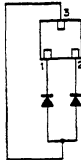
DAN202U



BR5505S ; RED

TOP VIEW (SCALE 4/1)

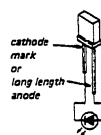
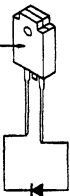
DAP202U



EBR3402S ; RED

PRINTED SIDE

ERC62M-004



SLP162B ; RED

Section 11

Schematic Diagram

回路図内において、REF. NO の近傍に下記記号が記載されていますが、これは生産時の部品データです。

In the schematic diagrams, the following marks are described nearby reference number.
These are parts data at factory.

CAPACITOR (C)

AL	}	ELECTROLYTIC
AS		
TA	}	TANTALUM
CA	}	CERAMIC
CC		
CCS		
CM		
CS	}	MYLAR
MPS		
PP		
PS		
PT	}	
MD	}	DIPPED MICA
MS	}	MICA

RESISTOR (R)

VARIABLE RESISTOR (RV)

RC	}	CARBON
RD		
RF	}	FUSE
RN	}	METAL
RS		
RW	}	WIREWOUND

Circuit Function of the Printed Wiring Boards.

System	Board	Circuit Function
VIDEO	PA-119	Video PB Head Amplifier
		Video REC Head Connection
	LD-39	Video REC Head/PB RF Connection
		Drum FG/PG Amplifier
	VRP-1	Y/C Separator & CTDM
AUDIO		Modulator/Demodulator
		Video Output/REC Amplifier
	TBC-19	Time Base Corrector
		Video Encoder
	CC-47	Video Input/Meter Driver
SERVO • SYSTEM CONTROL • TIME CODE	AU-142	LNG Audio REC/PB System
		AFM REC/PB System
	VR-118	Audio Level Control
		Power Switch
	DUS-339	Phones Jack
	FE-11	Full Erase Oscillator
POWER	CP-164/A	Audio Input/Output System
		Panel Switches
	SST-1	Servo & System Control
		Time Code
	CS-25	Cassette In Detector
	CS-26	Cassette Up/Down Detector
OTHER	SE-158	Thread/Unthread End Detector
		Cassette/Tape Detector
	DET-15	Threading FG Detector
	TR-57	S-Tension Detector
OTHER	CON-18	TC IN/OUT Connector
	BC-23	Battery Terminal
	DC-52	External DC IN
	FU-52	Fuse
OTHER	PSW-12	DC-DC Converter
	MB-335	Mother Board
OTHER	SR-50	Slip-Ring

PART LOCATION

S/N UP TO 10828 (UC)
S/N UP TO 10575 (J)

VRP-1 (1-638-693-15)

CN1	A-2 *	FB102	A-1 *	IC216	E-3	Q7	B-5 *	Q407	B-6 *	Q631	K-9	Q1009	K-1 *	RV531	F-8	TP208	F-3
CN2	A-3 *	FB103	B-2 *	IC217	F-3	Q8	B-5 *	Q408	B-6 *	Q632	J-9	Q1010	K-2 *	RV532	E-8	TP301	E-5
CN3	A-4 *	FB104	C-1	IC218	E-4	Q9	B-6 *	Q409	C-5 *	Q633	G-6 *	Q1011	K-2 *	RV533	E-8	TP302	F-6
CN4	C-9 *	FB105	B-1	IC219	D-4	Q10	A-4 *	Q410	D-6 *	Q701	K-8 *	Q1012	K-2 *	RV534	D-8	TP303	E-6
CN5	E-9	FB500	C-7	IC220	C-4	Q11	A-4	Q412	D-6 *	Q702	J-7 *	Q1013	K-3 *	RV541	F-8	TP307	D-5
CN6	G-9	FB501	C-7 *	IC221	D-3	Q12	A-4 *	Q413	D-6 *	Q703	J-6 *	Q1014	K-2 *	RV542	E-8	TP308	E-6
CN7	J-9 *			IC222	E-4	Q13	A-5	Q414	D-6 *	Q704	J-6	Q1015	K-2 *	RV543	D-8	TP401	C-5
CN8	E-9 *	FL1	B-5	IC223	E-3	Q14	B-4	Q415	D-6 *	Q705	J-6	Q1017	K-4	RV544	D-8	TP402	D-5
CN9	H-9 *	FL101	B-3	IC301	E-5	Q16	A-7	Q417	B-6 *	Q706	J-7			RV601	H-7	TP403	C-6
CN10	B-2 *	FL102	A-1	IC302	F-5	Q17	A-4 *	Q418	C-6 *	Q707	H-8 *	RV1	A-6	RV602	H-7	TP407	B-5
CN501	E-9	FL103	B-3	IC303	E-6 *	Q18	B-5 *	Q419	C-6 *	Q708	J-6 *	RV2	A-6	RV603	H-7	TP408	D-5
CN502	E-9	FL104	B-4	IC401	D-5	Q19	B-4 *	Q420	C-6 *	Q709	H-8 *	RV3	A-5	RV604	H-7	TP501	E-7
CN503	E-7	FL201	F-4	IC402	C-6	Q21	B-4	Q500	E-7 *	Q710	J-8 *	RV5	B-7	RV605	G-6	TP502	E-7
CN601	G-9 *	FL301	F-5	IC501	F-9	Q101	A-3	Q501	E-7 *	Q712	J-6 *	RV7	A-7	RV606	H-7	TP503	D-7
CN602	H-8	FL401	D-5	IC502	C-7 *	Q102	B-3 *	Q502	E-7	Q713	J-7 *	RV8	A-8	RV607	H-7	TP504	D-7
CN603	K-8	FL801	H-3	IC503	E-7	Q103	A-2 *	Q503	F-7 *	Q714	J-7	RV9	B-8	RV608	G-7	TP505	D-9
CN604	K-8	FL802	H-2	IC504	E-7	Q104	B-2 *	Q504	F-8 *	Q730	J-8	RV10	B-7	RV609	G-6	TP506	D-7
		FL803	G-2	IC505	D-7	Q105	A-3 *	Q505	F-8 *	Q731	K-9	RV101	A-3	RV610	F-8	TP602	H-8
COP501	E-8	FL901	J-3	IC506	C-7	Q106	A-1	Q506	E-7 *	Q732	K-8	RV102	A-3	RV611	F-7	TP603	G-7
COP502	E-8			IC508	F-7 *	Q107	B-1 *	Q507	E-7	Q801	G-5	RV103	A-2	RV612	G-8	TP604	G-6
COP503	E-8	IC1	B-9	IC510	C-7	Q108	A-2	Q508	E-7 *	Q802	G-4	RV104	A-1	RV613	G-8	TP605	G-6
COP504	D-8	IC2	A-8	IC511	C-7	Q109	A-1	Q509	E-8 *	Q803	G-4	RV105	C-4	RV614	H-6	TP606	G-6
		IC3	A-8 *	IC601	K-7	Q110	B-2 *	Q510	E-8 *	Q804	G-5 *	RV106	C-4	RV701	J-7	TP607	G-8
COR501	E-8	IC4	C-8 *	IC602	K-8	Q111	B-4	Q511	F-7 *	Q805	G-4 *	RV107	C-4	RV702	K-7	TP610	H-9
COR502	E-8	IC5	B-4	IC603	K-6 *	Q112	C-4	Q512	F-7 *	Q806	G-4 *	RV201	G-3	RV703	J-7	TP701	H-9
COR503	E-8	IC6	B-5	IC604	H-7 *	Q113	C-4	Q513	F-7 *	Q807	G-4 *	RV203	E-1	RV704	K-7	TP702	K-8
COR504	D-8	IC7	A-6	IC605	H-8	Q114	D-4 *	Q514	F-7 *	Q808	H-5 *	RV204	E-1	RV705	J-6	TP703	J-7
		IC8	B-4	IC606	G-8	Q115	B-2 *	Q515	D-7 *	Q809	H-4 *	RV206	F-1	RV706	J-7	TP704	H-7
DL101	B-1	IC9	B-6 *	IC607	G-5	Q116	B-2 *	Q516	D-7 *	Q810	G-4 *	RV207	F-1	RV707	K-7	TP705	J-6
DL201	E-1	IC10	A-6 *	IC609	H-6 *	Q117	A-2 *	Q517	D-7	Q811	G-4 *	RV208	F-1	RV708	J-7	TP706	J-6
DL601	H-7	IC11	B-7	IC610	G-7 *	Q119	A-2	Q518	D-7 *	Q812	H-4 *	RV209	F-1	RV709	J-6	TP707	J-8
DL602	G-7	IC12	A-8 *	IC611	H-5 *	Q201	E-2 *	Q519	E-8 *	Q813	H-4 *	RV210	F-1	RV710	H-8	TP801	G-5
DL701	K-7	IC13	B-8 *	IC612	K-7	Q202	E-2 *	Q520	D-8 *	Q814	H-4 *	RV211	F-2	RV711	H-7	TP802	G-5
DL702	J-7	IC14	B-7 *	IC613	H-8	Q203	G-4 *	Q521	D-7 *	Q815	G-3 *	RV212	G-2	RV712	J-8	TP803	H-2
		IC15	A-7 *	IC614	J-9	Q204	G-3 *	Q522	C-7	Q816	H-2 *	RV301	F-5	RV713	J-8	TP805	G-2
D101	A-2 *	IC16	A-9	IC702	K-8	Q205	F-3 *	Q523	D-7 *	Q817	H-3 *	RV302	F-5	RV801	H-5	TP901	J-5
D102	A-2	IC17	A-6	IC703	J-8	Q206	E-2 *	Q524	D-8 *	Q818	G-2 *	RV303	F-6	RV802	H-2	TP902	J-5
D103	B-2 *	IC18	C-9	IC704	K-7 *	Q207	E-2 *	Q525	D-8 *	Q819	H-5	RV304	E-6	RV803	H-3	TP903	J-2
D111	A-2 *	IC101	B-3	IC706	J-7 *	Q208	E-4 *	Q526	C-7	Q822	H-2	RV306	D-5	RV804	H-4	TP905	J-2
D112	A-2 *	IC103	B-2	IC707	J-6	Q209	E-4 *	Q527	C-7 *	Q823	H-2	RV307	D-6	RV805	H-4	TP906	J-4
D121	A-2	IC104	A-1	IC708	K-8	Q210	F-3 *	Q528	C-7 *	Q824	H-2	RV308	D-6	RV806	G-4		
D122	A-2	IC105	A-2 *	IC801	H-4	Q211	F-3 *	Q529	D-7 *	Q825	H-2 *	RV309	F-7	RV807	H-1	T501	F-8
D201	F-3	IC108	C-1 *	IC802	H-2 *	Q212	G-3 *	Q601	K-6 *	Q826	H-2 *	RV310	E-7	RV901	J-5	T502	E-8
D202	E-4	IC109	C-1 *	IC803	H-1	Q213	F-1 *	Q602	K-5	Q827	H-1 *	RV311	E-7	RV902	H-3	T503	D-8
D204	D-4	IC110	D-1	IC804	G-1	Q214	F-1 *	Q603	K-6	Q901	J-5	RV312	E-7	RV903	H-3	T504	D-8
D205	F-4	IC111	D-1	IC806	K-6	Q215	F-1 *	Q604	K-6	Q902	J-4	RV313	D-6	RV904	K-4		
D301	F-5 *	IC112	C-3	IC807	H-4 *	Q216	F-3 *	Q605	H-8 *	Q903	J-4	RV314	E-6	RV905	K-4	X201	E-4
D302	D-6 *	IC113	D-4	IC818	H-1 *	Q218	F-3 *	Q606	H-8 *	Q904	J-5 *	RV401	D-5	RV906	J-4	X202	E-1
D400	B-6 *	IC114	C-3 *	IC901	J-4	Q219	F-4	Q607	G-7 *	Q905	J-4 *	RV406	B-5	RV907	K-1		
D500	C-7	IC115	C-4 *	IC902	J-2	Q301	E-5 *	Q608	H-6	Q906	J-4 *	RV407	B-6	RV1001	K-2	* mark ; B SIDE mount.	
D1001	K-5	IC116	B-4	IC903	J-1	Q302	E-5 *	Q609	H-6	Q907	K-4 *	RV408	B-6				
D1002	K-1 *	IC118	C-3 *	IC907	K-5 *	Q303	F-5 *	Q610	G-6	Q908	K-4 *	RV409	C-6	S1	B-9		
D1003	K-2	IC120	B-2	IC918	J-2 *	Q304	F-5 *	Q611	G-6 *	Q909	J-3 *	RV410	C-6	S2	H-6		
		IC121	C-1	IC1001	K-3	Q306	F-6 *	Q612	G-6	Q910	J-2 *	RV411	D-6	S201	F-1		
E1	A-6	IC122	B-1	IC1002	K-4 *	Q307	E-5 *	Q613	G-6 *	Q913	K-2	RV412	D-6				
E101	B-3	IC201	E-2	IC1003	K-3	Q308	D-6 *	Q614	G-6	Q914	K-2	RV413	B-6	TP1	B-5		
E201	D-1	IC203	F-3 *	IC1004	K-2	Q309	D-6 *	Q615	G-6	Q915	K-3	RV414	D-6	TP2	A-4		
E301	F-6	IC204	F-2	IC1005	K-4	Q310	D-6 *	Q617	G-6 *	Q916	K-3 *	RV501	F-7	TP3	A-4		
E401	D-6	IC205	F-4	IC1006	K-5	Q311	E-5 *	Q618	G-6	Q917	K-2 *	RV502	E-7	TP5	A-6		
E601	H-7	IC206	E-4	IC1007	K-3	Q312	E-6 *	Q619	G-7	Q918	K-2 *	RV503	E-7	TP6	A-6		
E701	K-7	IC207	E-3 *			Q313	E-6 *	Q620	G-5 *	Q919	K-2	RV504	D-7	TP7	A-5		
E801	G-2	IC208	E-2 *	LV201	E-3	Q314	E-6 *	Q621	G-7 *	Q1001	K-5	RV511	F-7	TP8	A-5		
E901	J-2	IC209	G-5			Q315	E-6 *	Q622	G-8 *	Q1002	K-4	RV512	E-7	TP101	B-2		
		IC210	E-1 *	Q1	B-8 *	Q317	E-6 *	Q623	F-8 *	Q1003	K-3 *	RV513	D-7	TP102	A-1		
FB1	A-5 *	IC211	F-1 *	Q2	C-8	Q402	D-5 *	Q624	F-8 *	Q1004	K-2 *	RV514	D-7	TP201	E-3		
FB2	A-5 *	IC212	F-1 *	Q3	C-8	Q403	D-5 *	Q626	G-7 *	Q1005	K-3 *	RV521	F-7	TP202	F-1		
FB3	A-4 *	IC213	F-2 *	Q4	C-8	Q404	C-5 *	Q627	G-7	Q1006	K-3 *	RV522	E-7	TP203	G-2		
FB4	C-9	IC214	F-2 *	Q5	B-8	Q405	C-5 *	Q628	G-6 *	Q1007	K-3 *	RV523	D-7	TP206	F-1		
FB101	A-3	IC215	F-4 *	Q6	A-6 *	Q406	B-6 *	Q630	G-8	Q1008	K-1 *	RV524	D-7	TP207	F-4		

TBC-19 (1-638-691-15)

CN1	A-8 *	IC105	C-1	IC709	C-5	Q609	G-9 *	RV815	B-8
CN2	A-2 *	IC106	C-1	IC710	C-5	Q610	F-9 *	RV816	B-9
CN3	G-9 *	IC201	B-2 *	IC711	C-5	Q611	G-9 *	RV817	E-1
		IC202	B-3	IC712	C-5	Q701	D-6	RV818	B-9
DL701	C-7	IC204	B-2	IC713	B-5	Q702	D-7		
DL801	B-6	IC205	C-2	IC714	B-5	Q707	C-7 *	S601	F-9
DL802	B-7	IC301	D-1 *	IC715	E-5 *	Q708	C-8 *	S801	C-9
		IC302	D-2	IC716	E-6 *	Q709	C-7 *		
D101	C-2 *	IC303	D-2 *	IC717	F-6	Q710	C-8 *	TH301	D-2 *
D201	C-3 *	IC304	E-2 *	IC801	C-6	Q715	B-5 *	TH302	D-1 *
D302	D-2	IC305	E-2	IC802	C-7	Q716	B-5 *	TH401	C-4 *
D303	E-2	IC306	D-2 *	IC803	C-9	Q801	D-9 *	TH402	C-3 *
D304	E-2	IC308	E-3	IC804	B-6	Q802	D-9		
D306	D-1	IC309	E-3	IC805	B-7	Q803	D-9	TP101	B-2
D307	D-1 *	IC310	E-2	IC806	C-9	Q804	D-9 *	TP102	C-1
D308	D-1	IC311	D-1	IC807	D-9	Q805	D-9 *	TP201	A-2
D309	D-1	IC312	D-1	IC808	C-8	Q806	B-7	TP202	C-2
D402	D-4 *	IC317	E-2	IC810	C-9	Q807	C-9	TP302	D-1
D403	D-4	IC318	E-2	IC811	C-9	Q808	B-6 *	TP305	E-2
D404	D-3	IC401	E-5	IC812	B-9	Q809	B-6 *	TP307	D-1
D406	C-3	IC403	D-4	IC814	B-9	Q810	B-6	TP309	D-1
D409	D-3 *	IC404	C-3 *	IC815	B-9	Q811	B-7 *	TP310	D-1
D501	B-5 *	IC405	C-3 *	IC816	C-9	Q812	B-9	TP402	D-3
D502	F-6 *	IC406	D-4 *	IC817	B-7	Q813	C-9 *	TP405	E-4
D503	F-6 *	IC407	E-4			Q814	E-7 *	TP501	E-4
D505	F-1 *	IC408	C-4 *	LV301	E-1	Q815	B-8	TP601	F-7
D506	F-6 *	IC411	E-5	LV401	E-4	Q816	B-8 *	TP602	G-8
D602	G-9 *	IC412	D-4	LV801	E-7	Q817	E-8 *	TP603	F-8
D603	G-9 *	IC413	A-6	LV802	E-8	Q818	B-8	TP604	G-8
D604	G-9 *	IC415	B-5			Q819	C-9 *	TP605	F-8
D701	B-5 *	IC416	F-5 *	Q1	B-4 *	Q820	B-6	TP606	G-9
D702	B-5 *	IC417	D-4	Q2	B-4 *	Q821	B-7	TP607	F-9
D703	B-5 *	IC501	F-1	Q3	B-4 *	Q822	E-7 *	TP608	G-8
D704	B-5 *	IC502	F-2	Q4	B-4 *	Q823	C-8 *	TP609	E-9
		IC503	F-4	Q5	B-4 *			TP610	E-9
E1	B-5	IC504	G-2 *	Q6	B-4 *	RV101	B-2	TP701	D-6
E101	C-1	IC505	G-1 *	Q101	B-1 *	RV102	B-2	TP702	C-7
E201	A-3	IC506	G-4 *	Q102	B-2 *	RV201	B-3	TP703	C-7
E301	D-3	IC507	G-3 *	Q103	B-2 *	RV202	B-3	TP801	B-8
E302	E-1	IC508	F-6	Q104	B-1	RV301	E-1	TP802	B-6
E401	E-4	IC509	E-6	Q201	A-2	RV307	C-2	TP803	B-7
E402	D-3	IC511	F-1	Q202	B-2 *	RV308	D-1	TP804	B-8
E501	G-3	IC512	E-4	Q301	D-3 *	RV309	E-1	TP805	A-9
E502	F-7	IC514	A-1	Q302	D-3 *	RV310	D-1	TP806	A-9
E601	G-7	IC601	G-8 *	Q303	E-1 *	RV401	C-3	TP807	B-9
E701	D-7	IC602	E-8	Q304	E-1 *	RV404	E-3		
E801	C-8	IC603	E-8	Q305	E-1 *	RV405	C-3	X601	E-8
E802	B-6	IC604	F-7	Q306	C-1	RV406	C-3	X602	F-9
E803	B-9	IC605	G-8	Q307	D-1	RV409	B-5		
		IC606	E-9	Q308	D-1	RV601	E-8		
FB601	E-8 *	IC607	F-9	Q309	D-1 *	RV602	G-9		
FB602	E-9 *	IC608	E-9	Q310	D-1 *	RV603	F-9		
		IC609	E-9	Q311	D-1	RV605	F-9		
FL101	B-2	IC610	E-9	Q312	D-2 *	RV606	E-1		
FL201	A-2	IC611	F-8	Q401	E-5 *	RV701	D-6		
FL701	C-7	IC612	F-8	Q402	D-5 *	RV702	D-7		
FL702	C-8	IC613	F-7	Q403	C-4	RV703	D-8		
FL703	C-6	IC614	E-7	Q404	E-3 *	RV705	D-6		
FL801	B-8	IC615	G-9	Q405	E-4 *	RV706	C-8		
		IC616	E-8	Q406	E-3 *	RV801	D-9		
IC1	B-3 *	IC618	F-9	Q407	D-3 *	RV802	D-9		
IC2	B-4	IC701	C-5	Q601	F-7 *	RV803	D-9		
IC3	B-4	IC702	D-6	Q602	G-9 *	RV804	B-7		
IC4	B-3 *	IC703	D-7	Q603	F-9 *	RV805	D-9		
IC5	B-3 *	IC704	D-8	Q604	F-9 *	RV806	B-6		
IC101	B-2	IC705	D-5	Q605	F-9 *	RV807	B-7		
IC102	B-1	IC706	D-5	Q606	F-7 *	RV808	B-6		
IC103	B-1	IC707	D-5	Q607	G-9 *	RV813	E-7		
IC104	C-2 *	IC708	D-5	Q608	G-9 *	RV814	B-8		

S/N 10829 AND HIGHER (UC)
S/N 10576 AND HIGHER (J)

TBC-19 (1-638-691-16)

CN1	A-8 *	IC105	C-1	IC709	C-5	Q609	G-9 *	RV815	B-8
CN2	A-2 *	IC106	C-1	IC710	C-5	Q610	F-9 *	RV816	B-9
CN3	G-9 *	IC201	B-2 *	IC711	C-5	Q611	G-9 *	RV817	E-1
		IC202	B-3	IC712	C-5	Q701	D-6	RV818	B-9
DL701	C-7	IC204	B-2	IC713	B-5	Q702	D-7		
DL801	B-6	IC205	C-2	IC714	B-5	Q707	C-7 *	S601	F-9
DL802	B-7	IC301	D-1 *	IC715	E-5 *	Q708	C-8 *	S801	C-9
		IC302	D-2	IC716	E-6 *	Q709	C-7 *		
D101	C-2 *	IC303	D-2 *	IC717	F-6	Q710	C-8 *	TH301	D-2 *
D201	C-3 *	IC304	E-2 *	IC801	C-6	Q715	B-5 *	TH302	D-1 *
D302	D-2	IC305	E-2	IC802	C-7	Q716	B-5 *	TH401	C-4 *
D303	E-2	IC306	D-2 *	IC803	C-9	Q801	D-9 *	TH402	C-3 *
D304	E-2	IC308	E-3	IC804	B-6	Q802	D-9		
D306	D-1	IC309	E-3	IC805	B-7	Q803	D-9	TP101	B-2
D307	D-1 *	IC310	E-2	IC806	C-9	Q804	D-9 *	TP102	C-1
D308	D-1	IC311	D-1	IC807	D-9	Q805	D-9 *	TP201	A-2
D309	D-1	IC312	D-1	IC808	C-8	Q806	B-7	TP202	C-2
D402	D-4 *	IC317	E-2	IC810	C-9	Q807	C-9	TP302	D-1
D403	D-4	IC318	E-2	IC811	C-9	Q808	B-6 *	TP305	E-2
D404	D-3	IC401	E-5	IC812	B-9	Q809	B-6 *	TP307	D-1
D406	C-3	IC403	D-4	IC814	B-9	Q810	B-6	TP309	D-1
D409	D-3 *	IC404	C-3 *	IC815	B-9	Q811	B-7 *	TP310	D-1
D501	B-5 *	IC405	C-3 *	IC816	C-9	Q812	B-9	TP402	D-3
D502	F-6 *	IC406	D-4 *	IC817	B-7	Q813	C-9 *	TP405	E-4
D503	F-6 *	IC407	E-4			Q814	E-7 *	TP501	E-4
D505	F-1 *	IC408	C-4 *	LV301	E-1	Q815	B-8	TP601	F-7
D506	F-6 *	IC411	E-5	LV401	E-4	Q816	B-8 *	TP602	G-8
D602	G-9 *	IC412	D-4	LV801	E-7	Q817	E-8 *	TP603	F-8
D603	G-9 *	IC413	A-6	LV802	E-8	Q818	B-8	TP604	G-8
D604	G-9 *	IC415	B-5			Q819	C-9 *	TP605	F-8
D701	B-5 *	IC416	F-5 *	Q1	B-4 *	Q820	B-6	TP606	G-9
D702	B-5 *	IC417	D-4	Q2	B-4 *	Q821	B-7	TP607	F-9
D703	B-5 *	IC501	F-1	Q3	B-4 *	Q822	E-7 *	TP608	G-8
D704	B-5 *	IC502	F-2	Q4	B-4 *	Q823	C-8 *	TP609	E-9
		IC503	F-4	Q5	B-4 *			TP610	E-9
E1	B-5	IC504	G-2 *	Q6	B-4 *	RV101	B-2	TP701	D-6
E101	C-1	IC505	G-1 *	Q101	B-1 *	RV102	B-2	TP702	C-7
E201	A-3	IC506	G-4 *	Q102	B-2 *	RV201	B-3	TP703	C-7
E301	D-3	IC507	G-3 *	Q103	B-2 *	RV202	B-3	TP801	B-8
E302	E-1	IC508	F-6	Q104	B-1	RV301	E-1	TP802	B-6
E401	E-4	IC509	E-6	Q201	A-2	RV307	C-2	TP803	B-7
E402	D-3	IC511	F-1	Q202	B-2 *	RV308	D-1	TP804	B-8
E501	G-3	IC512	E-4	Q301	D-3 *	RV309	E-1	TP805	A-9
E502	F-7	IC514	A-1	Q302	D-3 *	RV310	D-1	TP806	A-9
E601	G-7	IC601	G-8 *	Q303	E-1 *	RV401	C-3	TP807	B-9
E701	D-7	IC602	E-8	Q304	E-1 *	RV404	E-3		
E801	C-8	IC603	E-8	Q305	E-1 *	RV405	C-3	X601	E-8
E802	B-6	IC604	F-7	Q306	C-1	RV406	C-3	X602	F-9
E803	B-9	IC605	G-8	Q307	D-1	RV409	B-5		
		IC606	E-9	Q308	D-1	RV601	E-8	* mark; B SIDE mount.	
FB601	E-8 *	IC607	F-9	Q309	D-1 *	RV602	G-9		
FB602	E-9 *	IC608	E-9	Q310	D-1 *	RV603	F-9		
		IC609	E-9	Q311	D-1	RV605	F-9		
FL101	B-2	IC610	E-9	Q312	D-2 *	RV606	E-1		
FL201	A-2	IC611	F-8	Q401	E-5 *	RV701	D-6		
FL701	C-7	IC612	F-8	Q402	D-5 *	RV702	D-7		
FL702	C-8	IC613	F-7	Q403	C-4	RV703	D-8		
FL703	C-6	IC614	E-7	Q404	E-3 *	RV705	D-6		
FL801	B-8	IC615	G-9	Q405	E-4 *	RV706	C-8		
		IC616	E-8	Q406	E-3 *	RV801	D-9		
IC1	B-3 *	IC618	F-9	Q407	D-3 *	RV802	D-9		
IC2	B-4	IC701	C-5	Q601	F-7 *	RV803	D-9		
IC3	B-4	IC702	D-6	Q602	G-9 *	RV804	B-7		
IC4	B-3 *	IC703	D-7	Q603	F-9 *	RV805	D-9		
IC5	B-3 *	IC704	D-8	Q604	F-9 *	RV806	B-6		
IC101	B-2	IC705	D-5	Q605	F-9 *	RV807	B-7		
IC102	B-1	IC706	D-5	Q606	F-7 *	RV808	B-6		
IC103	B-1	IC707	D-5	Q607	G-9 *	RV813	E-7		
IC104	C-2 *	IC708	D-5	Q608	G-9 *	RV814	B-8		

S/N UP TO 10732 (UC)
S/N UP TO 10495 (J)

AU-142 (1-638-684-14)

CN301	A-1	IC852	A-2 *	Q705	B-2 *	RV654	C-2 *
CN302	E-1	IC853	A-4	Q706	A-2 *	RV655	D-2 *
CN303	A-3	IC901	B-3	Q707	B-2 *	RV701	E-1 *
CN311	C-4	IC902	A-3	Q751	A-2 *	RV702	B-1 *
CN312	F-4	IC903	A-4	Q754	B-1 *	RV801	F-3 *
				Q755	B-1 *	RV851	F-3 *
D201	E-3 *	LV301	C-4	Q756	B-1 *	RV901	B-4 *
D202	F-4	LV351	C-4	Q757	B-2	RV902	B-4 *
D251	E-3 *	LV401	D-4	Q758	B-2 *	RV903	B-3 *
D403	E-3 *	LV402	E-4	Q781	A-4 *	RV904	C-3 *
D502	A-3 *	LV451	D-4	Q801	F-2	RV905	B-3 *
D503	F-2 *	LV452	E-4	Q805	F-4 *	RV906	B-4 *
D504	F-2 *	LV901	A-4	Q871	A-2	RV907	A-2 *
D505	A-3 *	LV902	A-4	Q875	A-2		
D601	B-2 *			Q876	A-1 *	S201	E-4
D602	B-2 *	Q201	E-3 *	Q879	F-3	S202	E-4
D603	F-2 *	Q202	F-3 *	Q880	A-2		
D604	F-2 *	Q203	B-3	Q881	A-4	TP201	F-3
D651	C-2 *	Q204	E-4 *	Q903	B-4	TP202	E-3
D701	B-2 *	Q251	E-3 *	Q904	C-4	TP401	D-3
D702	A-2 *	Q252	F-3 *	Q905	A-4	TP402	D-3
D751	B-2	Q253	B-3	Q906	C-4	TP403	C-4
D752	B-3	Q301	D-3 *	Q907	C-4 *	TP404	C-4
D753	A-4 *	Q302	D-3 *	Q908	A-4	TP405	E-3
D871	A-1 *	Q304	C-3	Q909	A-4	TP451	D-4
D902	B-4 *	Q354	C-3	Q910	B-4	TP452	D-4
D903	A-4 *	Q401	D-3	Q911	B-4	TP453	D-4
D904	B-4 *	Q402	E-2 *	Q912	B-4 *	TP454	D-4
D905	A-4 *	Q404	D-4	Q913	B-4 *	TP455	F-4
		Q405	E-3 *	Q916	C-4 *	TP501	A-3
E401	E-3	Q406	E-3 *	Q919	A-4 *	TP503	A-3
E451	C-4	Q407	F-3 *	Q920	A-4 *	TP504	A-3
E501	B-3	Q411	E-3 *	Q921	A-4 *	TP601	E-2
E901	A-3	Q412	F-3 *	Q922	A-4 *	TP603	F-2
		Q413	E-3 *	Q925	C-4	TP604	C-1
FL201	F-3	Q414	E-3 *	Q926	C-3 *	TP605	D-1
FL601	F-1	Q451	D-4 *	Q927	B-4	TP651	E-2
FL602	C-1 *	Q452	E-3 *	Q928	B-4	TP653	F-2
FL652	D-1 *	Q454	D-4	Q929	C-3 *	TP654	C-2
FL701	B-1	Q455	F-4 *			TP655	D-1
FL702	B-1	Q456	F-4 *	RV301	D-2 *	TP701	E-1
		Q457	F-4 *	RV302	D-3 *	TP702	A-1
IC201	F-3	Q501	A-3 *	RV303	D-2 *	TP703	F-2
IC202	F-4	Q502	A-3 *	RV304	D-3 *	TP704	F-2
IC203	E-4	Q503	A-3 *	RV305	B-3 *	TP705	E-1
IC301	D-3	Q504	A-3 *	RV306	C-3 *	TP801	F-3
IC302	C-3	Q505	F-2 *	RV353	D-3 *	TP851	F-3
IC303	C-3	Q506	E-3	RV354	D-3 *	TP901	A-4
IC351	D-3	Q507	E-3	RV355	B-3 *	TP902	A-4
IC352	C-3	Q508	A-2	RV356	C-3 *	TP903	C-4
IC353	C-3	Q509	A-2	RV402	E-4 *	TP905	C-4
IC401	D-4	Q510	A-3 *	RV403	E-4 *		
IC402	E-4	Q511	A-3 *	RV404	D-4 *	T901	A-4
IC403	E-3	Q512	A-3 *	RV405	E-3 *	T902	B-4
IC501	A-3	Q513	A-3 *	RV406	E-3 *	T903	C-4
IC502	B-3	Q514	B-3	RV407	D-3 *	T904	C-4
IC503	A-3 *	Q516	A-3 *	RV452	E-4 *	T905	C-4
IC601	E-2	Q551	E-3 *	RV453	E-4 *	T906	C-4
IC602	E-2	Q571	A-3 *	RV454	D-4 *		
IC603	C-2	Q572	A-3 *	RV455	E-3 *	X501	A-3
IC604	E-2	Q601	F-2	RV456	E-3 *		
IC605	F-2	Q602	D-2 *	RV551	F-4	* mark; B SIDE mount.	
IC653	C-2	Q603	F-2	RV601	E-2 *		
IC701	B-1	Q604	D-2 *	RV602	F-2 *		
IC702	F-2	Q605	B-2 *	RV603	B-1 *		
IC751	B-1	Q651	F-2	RV604	C-2 *		
IC801	F-3	Q701	F-2 *	RV605	D-1 *		
IC802	F-3	Q702	D-1 *	RV651	E-2 *		
IC851	A-2 *	Q704	B-1 *	RV653	C-1 *		

S/N 10733 TO 10890 (UC)
S/N 10496 TO 10665 (J)

S/N 10891 AND HIGHER (UC)
S/N 10666 AND HIGHER (J)

AU-142 (1-638-684-15)

CN301	A-1	IC852	A-2 *	Q706	A-2 *	RV655	D-1 *
CN302	E-1	IC853	A-4	Q707	B-2 *	RV701	E-1 *
CN303	A-3	IC901	B-3	Q751	A-2 *	RV702	B-1 *
CN311	C-4	IC902	A-3	Q754	B-1 *	RV801	F-2 *
CN312	F-4	IC903	A-4	Q755	B-1 *	RV851	F-3 *
				Q756	C-1 *	RV901	B-4 *
D201	E-3 *	LV301	C-4	Q757	B-2	RV902	B-4 *
D202	F-4	LV351	C-4	Q758	B-2 *	RV903	B-3 *
D251	E-3 *	LV401	D-3	Q781	A-4 *	RV904	C-3 *
D403	E-3 *	LV402	E-3	Q801	F-2	RV905	B-3 *
D502	A-3 *	LV451	D-4	Q805	F-4 *	RV906	B-4 *
D503	F-2 *	LV452	E-4	Q871	A-2	RV907	A-2 *
D504	F-2 *	LV901	A-4	Q875	A-2		
D505	A-3 *	LV902	A-4	Q876	A-1 *	S201	E-4
D601	B-2 *			Q879	F-3	S202	E-4
D602	B-2 *	Q201	E-3 *	Q880	A-2		
D603	F-2 *	Q202	F-3 *	Q881	A-4	TP201	F-3
D604	F-2 *	Q203	B-3	Q903	B-4	TP202	E-3
D651	C-2 *	Q251	E-3 *	Q904	C-4	TP401	D-3
D701	B-2 *	Q252	F-4 *	Q905	A-4	TP402	D-3
D702	A-2 *	Q253	B-3	Q906	C-4	TP403	C-4
D751	B-2	Q301	D-3 *	Q907	C-4 *	TP404	D-3
D752	B-3	Q302	D-3 *	Q908	A-4	TP405	E-3
D753	A-4 *	Q304	C-3	Q909	A-4	TP451	D-4
D871	A-1 *	Q354	C-3	Q910	B-4	TP452	D-4
D902	A-4 *	Q401	C-3	Q911	B-4	TP453	D-4
D903	A-4 *	Q402	E-2 *	Q912	B-4 *	TP454	D-4
D904	B-4 *	Q404	D-4	Q913	B-4 *	TP455	F-4
D905	A-4 *	Q405	E-4 *	Q916	C-4 *	TP501	A-3
		Q406	E-4 *	Q919	A-4 *	TP503	A-2
E401	E-3	Q407	F-4 *	Q920	A-4 *	TP504	A-3
E451	C-4	Q411	F-3 *	Q921	A-4 *	TP601	E-2
E501	B-3	Q412	F-3 *	Q922	A-4 *	TP603	F-2
E901	A-3	Q413	E-3 *	Q925	C-4	TP604	C-1
		Q414	F-3 *	Q926	C-3 *	TP605	D-1
FL201	F-3	Q451	D-4 *	Q927	B-4	TP651	E-2
FL601	F-1	Q452	E-3 *	Q928	B-4	TP653	F-2
FL602	C-1 *	Q454	D-4	Q929	C-3 *	TP654	C-1
FL652	D-1 *	Q455	F-4 *			TP655	D-1
FL701	B-1	Q456	F-4 *	RV301	D-2 *	TP701	E-1
FL702	A-1	Q457	F-4 *	RV302	D-3 *	TP702	A-1
		Q501	A-3 *	RV303	D-2 *	TP703	F-2
IC201	F-3	Q502	A-3 *	RV304	D-3 *	TP704	F-2
IC202	F-4	Q503	A-3 *	RV305	B-3 *	TP705	E-1
IC203	E-3	Q504	A-3 *	RV306	C-3 *	TP801	F-2
IC301	D-2	Q505	F-2 *	RV353	D-3 *	TP851	F-3
IC302	C-2	Q506	E-3	RV354	D-3 *	TP901	A-4
IC303	C-2	Q507	E-3	RV355	B-3 *	TP902	A-4
IC351	D-3	Q508	A-2	RV356	C-3 *	TP903	C-4
IC352	C-3	Q509	A-2	RV402	E-4 *	TP905	C-4
IC353	C-3	Q510	A-3 *	RV403	E-4 *		
IC401	E-4	Q511	A-3 *	RV404	D-4 *	T901	B-4
IC402	E-4	Q512	A-3 *	RV405	D-3 *	T902	B-4
IC403	E-3	Q513	A-3 *	RV406	E-3 *	T903	C-4
IC501	A-3	Q514	B-3	RV407	D-3 *	T904	C-4
IC502	B-3	Q516	A-3 *	RV452	E-4 *	T905	C-4
IC503	A-3 *	Q551	E-2 *	RV453	E-4 *	T906	C-4
IC601	E-1	Q571	A-3 *	RV454	D-4 *		
IC602	D-2	Q572	A-3 *	RV455	E-3 *	X501	A-3
IC603	B-2	Q601	F-2	RV456	E-3 *		
IC604	E-2	Q602	D-2 *	RV551	F-4	* mark; B SIDE mount.	
IC605	F-2	Q603	F-2	RV601	E-2 *		
IC653	C-2	Q604	D-2 *	RV602	F-2 *		
IC701	B-2	Q605	B-2 *	RV603	B-1 *		
IC702	F-2	Q651	F-2	RV604	C-2 *		
IC751	B-1	Q701	F-2 *	RV605	D-1 *		
IC801	F-3	Q702	D-1 *	RV651	E-2 *		
IC802	F-3	Q704	B-1 *	RV653	C-1 *		
IC851	A-2 *	Q705	B-2 *	RV654	C-2 *		

AU-142 (1-638-684-16)

CN301	A-1	IC801	F-3	Q513	A-3 *	RV403	E-4 *	TP902	A-4
CN302	E-1	IC802	F-3	Q514	B-3	RV404	D-4 *	TP903	C-4
CN303	A-3	IC851	A-2 *	Q516	A-3 *	RV405	D-3 *	TP905	C-4
CN311	C-4	IC852	A-2 *	Q551	E-2 *	RV406	E-3 *		
CN312	F-4	IC853	A-4	Q571	A-3 *	RV407	D-3 *	T901	B-4
		IC901	B-3	Q572	A-3 *	RV408	D-4 *	T902	B-4
D201	E-3 *	IC902	A-3	Q601	F-2	RV451	E-4 *	T903	C-4
D202	F-4	IC903	A-4	Q602	D-2 *	RV452	E-4 *	T904	C-4
D251	E-3 *			Q603	F-2	RV453	E-4 *	T905	C-4
D401	F-4 *	LV301	C-4	Q604	D-2 *	RV454	D-4 *	T906	C-4
D403	E-3 *	LV351	C-4	Q605	B-2 *	RV455	E-3 *		
D451	F-4 *	LV401	D-3	Q651	F-2	RV456	E-3 *	X501	A-3
D502	A-3 *	LV402	E-3	Q701	F-2 *	RV458	D-4 *		
D503	F-2 *	LV451	D-4	Q702	D-1 *	RV551	F-4	* mark; B SIDE mount.	
D504	F-2 *	LV452	E-4	Q704	B-1 *	RV601	E-2 *		
D505	A-3 *	LV901	A-4	Q705	B-2 *	RV602	F-2 *		
D571	A-3 *	LV902	A-4	Q706	A-2 *	RV603	B-1 *		
D601	B-2 *			Q707	B-2 *	RV604	C-2 *		
D602	B-2 *	Q201	E-3 *	Q751	A-2 *	RV605	D-1 *		
D603	F-2 *	Q202	F-3 *	Q754	B-1 *	RV651	E-2 *		
D604	F-2 *	Q203	B-3	Q755	B-1 *	RV653	C-1 *		
D651	C-2 *	Q251	E-3 *	Q756	C-1 *	RV654	C-2 *		
D701	B-2 *	Q252	F-4 *	Q757	B-2	RV655	D-1 *		
D702	A-2 *	Q253	B-3	Q758	B-2 *	RV701	E-1 *		
D751	B-2	Q301	D-3 *	Q781	A-4 *	RV702	B-1 *		
D752	B-3	Q302	D-3 *	Q801	F-2	RV801	F-2 *		
D753	A-4 *	Q303	C-4 *	Q804	F-3 *	RV851	F-3 *		
D871	A-1 *	Q304	C-3	Q805	F-4 *	RV901	B-4 *		
D902	A-4 *	Q305	D-4 *	Q854	F-3 *	RV902	B-4 *		
D903	A-4 *	Q306	C-3 *	Q871	A-2	RV903	B-3 *		
D904	B-4 *	Q353	C-4 *	Q875	A-2	RV904	C-3 *		
D905	A-4 *	Q354	C-3	Q876	A-1 *	RV905	B-3 *		
		Q355	C-4 *	Q879	F-3	RV906	B-4 *		
E401	E-3	Q356	C-3 *	Q880	A-2	RV907	A-2 *		
E451	C-4	Q401	C-3	Q881	A-4				
E501	B-3	Q402	E-2 *	Q903	B-4	S201	E-4		
E901	A-3	Q404	D-4	Q904	C-4	S202	E-4		
		Q405	E-4 *	Q905	A-4				
FL201	F-3	Q406	E-4 *	Q906	C-4	TP201	F-3		
FL601	F-1	Q407	F-4 *	Q907	C-4 *	TP202	E-3		
FL602	C-1 *	Q411	F-3 *	Q908	A-4	TP401	D-3		
FL652	D-1 *	Q412	F-3 *	Q909	A-4	TP402	D-3		
FL701	B-1	Q413	E-3 *	Q910	B-4	TP403	C-4		
FL702	A-1	Q414	F-3 *	Q911	B-4	TP404	D-3		
		Q431	E-4 *	Q912	B-4 *	TP405	E-3		
IC201	F-3	Q432	F-4 *	Q913	B-4 *	TP451	D-4		
IC202	F-4	Q433	F-4 *	Q916	C-4 *	TP452	D-4		
IC203	E-3	Q434	F-4 *	Q919	A-4 *	TP453	D-4		
IC301	D-2	Q451	D-4 *	Q920	A-4 *	TP454	D-4		
IC302	C-2	Q452	E-3 *	Q921	A-4 *	TP455	F-4		
IC303	C-2	Q454	D-4	Q922	A-4 *	TP501	A-3		
IC351	D-3	Q455	F-4 *	Q925	C-4	TP503	A-2		
IC352	C-3	Q456	F-4 *	Q926	C-3 *	TP504	A-3		
IC353	C-3	Q457	F-4 *	Q927	B-4	TP601	E-2		
IC401	E-4	Q481	E-4 *	Q928	B-4	TP603	F-2		
IC402	E-4	Q482	F-4 *	Q929	C-3 *	TP604	C-1		
IC403	E-3	Q483	F-4 *			TP605	D-1		
IC501	A-3	Q501	A-3 *	RV301	D-2 *	TP651	E-2		
IC502	B-3	Q502	A-3 *	RV302	D-3 *	TP653	F-2		
IC503	A-3 *	Q503	A-3 *	RV303	D-2 *	TP654	C-1		
IC601	E-1	Q504	A-3 *	RV304	D-3 *	TP655	D-1		
IC602	D-2	Q505	F-2 *	RV305	B-3 *	TP701	E-1		
IC603	B-2	Q506	E-3	RV306	C-3 *	TP702	A-1		
IC604	E-2	Q507	E-3	RV353	D-3 *	TP703	F-2		
IC605	F-2	Q508	A-2	RV354	D-3 *	TP704	F-2		
IC653	C-2	Q509	A-2	RV355	B-3 *	TP705	E-1		
IC701	B-2	Q510	A-3 *	RV356	C-3 *	TP801	F-2		
IC702	F-2	Q511	A-3 *	RV401	E-4 *	TP851	F-3		
IC751	B-1	Q512	A-3 *	RV402	E-4 *	TP901	A-4		

VR-118 (1-638-692-14)

CN551	A-2	CN401	K-2	RV751	F-1 *
CN552	A-1	CN402	L-1	RV752	F-1 *
CN553	B-1	CN404	H-2		
CN554	C-1	CN405	G-2	S401	C-1
CN555	C-1	CN406	J-2	S402	C-1
CN556	C-1	CN407	G-2	S403	D-1
CN557	A-2	CN408	L-2	S404	L-2
		CN409	B-1	S405	C-2
D301	B-1 *	CN410	A-2	S406	C-2
D302	C-1 *	CN411	A-2	S407	C-2
		CN412	G-2	S408	D-2
IC301	D-2	CN413	J-2	S409	E-1
IC302	B-2	CN415	K-1	S410	E-1
IC303	B-1	CN416	H-2	S411	E-1
IC304	E-2	CN417	G-2	S412	F-1
IC305	B-1	CN1009	L-2	S413	G-1
IC306	B-1			S414	H-1
IC307	C-1	D101	F-1	S415	J-1
IC308	B-2	D102	G-1	S416	F-1
IC309	B-2	D201	G-1	S417	G-1
IC310	A-2	D202	H-1	S418	H-1
		D301	H-1 *	S419	J-1
Q301	C-1 *	D302	H-1 *	S420	F-2
Q302	D-2 *	D401	J-1 *	S421	G-2
Q303	B-2 *	D402	J-1 *	S422	H-2
Q304	C-2 *	D601	G-2	S423	J-2
Q305	B-1 *	D602	G-2	S424	B-1
Q306	C-1 *	D801	H-2		
Q307	B-2 *	D802	H-2	TP601	J-1 *
Q308	C-2 *			TP602	J-1 *
Q309	B-2 *	IC101	G-1 *		
Q310	D-2 *	IC102	F-1 *	* mark; B SIDE mount.	
Q311	B-1 *	IC201	H-1 *		
Q312	D-2 *	IC203	L-2 *		
Q313	B-2 *	IC301	J-1 *		
Q314	C-1 *	IC302	H-1 *		
		IC401	J-1 *		
RV301	A-1	IC551	D-1 *		
RV302	C-1	IC568	A-2 *		
RV303	D-1	IC569	A-2 *		
RV304	E-1	IC601	C-2 *		
RV305	C-2	IC651	E-1 *		
RV306	C-2	IC652	E-1 *		
RV307	D-2	IC655	B-1		
RV308	D-2	IC656	A-1 *		
RV311	B-2 *	IC657	A-1 *		
RV312	B-2 *	IC658	B-1 *		
		IC701	C-2 *		

BT200	B-1	E524	J-6	Q8	E-4 *	TP205	C-11
				Q9	G-11 *	TP206	D-10
CN1	A-12	FB1	C-8	Q10	N-10 *	TP500	G-5
CN2	C-12	FB2	C-5	Q11	B-12 *	TP501	H-4
CN3	G-12	FB3	D-4	Q12	F-4	TP502	P-4
CN4	M-12	FB600	J-2	Q13	E-4 *	TP503	G-5
CN5	P-12			Q14	D-8 *	TP504	P-4
CN6	J-6	IC1	E-10	Q200	B-11 *	TP505	K-11
CN7	K-6	IC2	E-11	Q502	J-5 *	TP506	L-11
CN8	K-1	IC3	C-8	Q503	B-5 *	TP507	M-9
CN9	J-1	IC4	C-9	Q504	J-3	TP508	H-6
		IC5	D-9	Q505	H-4	TP509	K-4
CV200	E-9	IC6	G-7	Q506	J-4	TP510	K-3
CV201	D-5	IC7	G-11	Q507	K-3	TP511	L-5
		IC8	P-10	Q600	P-2	TP512	L-5
D1	D-12 *	IC9	M-10	Q602	P-1 *	TP515	J-6
D2	E-8	IC10	B-5	Q603	K-2 *	TP516	K-4
D3	C-6	IC11	C-7	Q604	M-1	TP517	K-6
D4	C-4	IC12	E-1 *	Q605	L-1 *	TP522	G-4
D5	D-4	IC13	B-6	Q606	J-1	TP523	F-5
D6	D-5	IC200	C-10	Q607	J-2 *	TP525	P-5
D7	N-10 *	IC201	C-11	Q608	G-2 *	TP526	P-7
D8	E-11	IC202	D-10	Q609	G-2	TP527	P-7
D10	E-4	IC203	D-11	Q610	G-2 *	TP528	A-6
D11	C-8 *	IC204	D-10	Q611	G-2	TP529	A-6
D12	N-10 *	IC205	D-10	Q612	J-2	TP532	M-4
D200	C-10 *	IC206	E-9	Q613	H-3 *	TP533	L-4
D201	C-11 *	IC207	C-9	Q614	J-2	TP534	L-6
D202	C-11 *	IC208	E-10	Q615	J-2 *	TP535	K-5
D203	D-10 *	IC209	C-6	Q617	C-2	TP536	H-6
D204	D-11 *	IC210	D-6	Q618	C-1 *	TP537	K-6
D205	C-1 *	IC211	D-10	Q619	D-2	TP600	P-3
D206	B-7	IC212	D-5	Q620	D-3	TP601	N-3
D207	E-9 *	IC213	E-5	Q621	D-2 *	TP602	N-3
D208	D-5	IC214	G-9	Q622	D-3 *	TP603	N-3
D502	G-6	IC501	G-5	Q623	E-2	TP604	L-2
D504	K-4	IC502	H-5	Q624	E-2 *	TP605	N-3
D505	H-3	IC503	H-5	Q625	E-2	TP606	C-3
D506	H-4	IC504	J-2	Q626	E-2 *	TP607	E-3
D509	H-5 *	IC505	H-3	Q629	A-2		
D512	P-9	IC506	K-4	Q631	A-3	X1	E-8
D600	N-2	IC507	H-4	Q633	B-2	X200	E-9
D601	N-2	IC508	K-5	Q635	B-3	X201	D-6
D603	L-1	IC511	G-4	Q637	B-2	X202	D-6
D605	G-2 *	IC512	K-5	Q639	B-3	X501	P-9
D606	G-2 *	IC516	J-5	Q640	A-1 *	X502	P-5
D607	H-1	IC518	G-4	Q641	A-1 *		
D608	D-3	IC519	N-9			* mark; B SIDE mount.	
D609	C-1	IC520	P-10	RV1	B-5		
D610	D-2 *	IC524	M-6	RV500	K-1 *		
D613	A-1 *	IC525	N-5	RV501	P-5		
D614	B-1 *	IC526	P-3	RV504	J-1 *		
D616	A-3	IC527	P-8				
D617	A-3	IC528	P-3	S501	K-1 *		
D618	B-3	IC601	K-1	S502	J-1 *		
D619	B-3	IC602	K-3				
D620	A-8	IC603	G-2	TP1	C-9		
D621	A-8	IC604	G-2	TP2	D-9		
D900	N-7 *	IC605	F-2	TP3	E-8		
D901	A-7 *	IC607	D-2	TP4	G-7		
		IC901	P-4	TP5	D-4		
E200	P-11			TP6	B-4		
E201	C-7	Q1	D-12 *	TP7	F-5		</

CN501	A-2 *	Q101	E-3
CN502	A-3 *	Q201	K-3 *
CN503	D-2 *	Q202	F-1 *
CN504	E-1 *	Q203	H-1 *
CN505	H-1 *	Q204	G-1 *
CN506	G-2	Q205	G-1 *
CN507	G-2	Q206	G-1 *
CN508	J-2	Q207	A-2 *
CN509	J-2	Q208	A-3 *
		Q209	C-3 *
D101	F-1		
D102	H-1	RV201	J-3
D104	F-1	RV202	E-3
D105	J-1	RV203	F-3
D106	G-1	RV204	G-3
D107	K-1	RV205	G-3
D109	G-1	RV206	H-3
D110	K-1	RV207	H-3
D111	E-3 *	RV208	H-3
D112	E-1	RV209	J-3
D113	B-2	RV210	K-3
D114	C-2		
D115	E-1	S101	E-3
D116	A-2	S102	B-3
D117	A-2	S103	E-2
D118	B-2	S104	B-3
D119	D-2	S105	B-3
D120	C-2	S106	A-3
D121	D-2	S107	D-3
D122	A-3 *	S108	E-3
D123	D-3 *	S109	E-3
D124	B-3 *	S110	A-3
D125	B-3 *	S111	A-3
D126	D-2 *	S112	C-3
D127	C-3 *	S113	B-2
D128	A-3 *	S114	C-3
D129	A-3 *	S115	D-3
D130	A-3 *	S116	B-2
D131	A-3 *	S117	D-2
D132	D-2 *	S118	E-3
D133	D-3 *	S119	C-3
D134	C-3 *	S120	D-3
D135	C-3 *	S121	A-2
D136	C-3 *	S122	C-2
D137	D-2 *	S123	E-1
D150	B-1	S124	B-3
D151	C-1	S125	A-3
D152	C-1	S201	F-3
D153	D-1	S202	F-3
D154	A-1	S203	K-2
D155	B-1		
D201	H-1 *	* mark ; B SIDE mount.	
D202	J-1 *		
E1	A-1		
E2	K-2		
IC102	B-2 *		
IC105	A-3 *		
IC106	B-3 *		
IC201	K-3 *		
IC202	J-3 *		
IC203	F-2 *		
IC204	H-2 *		
IC205	J-1 *		
IC206	E-1 *		
ND101	A-1		

CN601	D-3
CN602	D-3
CN603	A-4
D102	D-4
D104	A-3
D105	A-2
D106	C-3
D107	C-3
D108	A-3
F101	C-4
Q101	C-4
Q102	C-4
Q105	A-2 *
Q106	A-2 *
Q107	A-3 *
Q108	A-2
Q109	B-2 *
Q110	B-2 *
Q111	B-2 *
Q112	A-2
Q113	C-2 *
Q114	D-3 *
Q115	C-3 *
Q116	C-2
Q117	C-2 *
Q118	C-3 *
Q119	C-3 *
Q120	C-2
Q121	A-2 *
Q122	A-3 *
Q123	A-3 *
Q124	A-3
Q127	C-3 *
TH101	A-2 *
TH102	B-2 *
TH103	C-2 *
TH104	C-3 *
TH105	A-2 *
T101	A-3

D103	A-1
IC101	A-1
IC102	C-1
IC103	B-1
IC104	C-1
Q103	A-1
Q104	A-1
Q125	A-1
Q126	A-1
Q128	C-1
Q129	C-1
Q130	A-1
Q131	A-1
Q132	D-1
RV100	C-1
RV101	C-1
RV102	B-1
RV103	B-1
RV104	A-1
RV105	C-1

CN901	F-5
CN902	E-5
CN903	C-5
CN904	B-5
CN905	A-5
CN915	D-6
CN916	C-6
CN921	E-6 *
CN922	B-6 *
CN923	E-2 *
CN924	F-6 *
CN925	F-5 *
CN926	F-1 *
CN927	F-2 *
CN928	F-3 *
CN929	F-6 *
CN930	F-4 *
CN940	F-1
CN941	F-1
CN942	F-1
CN943	F-1
CN944	F-1
CN945	F-2
CN946	F-2
CN947	F-2
CN948	C-1
CN949	A-3
CN950	A-3
CN951	A-1
CN952	A-1
CN953	A-2
CN954	B-1
CN955	B-1
CN956	A-2
CN957	B-1
CN958	B-2
CN959	B-2
CN961	A-3
CN962	A-2
CN965	F-3 *
CN970	B-1
CN971	F-1
CN1001	E-1
CN1002	E-1

* mark; B SIDE mount.

PA-119; VIDEO PB HEAD AMPLIFIER
VIDEO REC HEAD CONNECTION

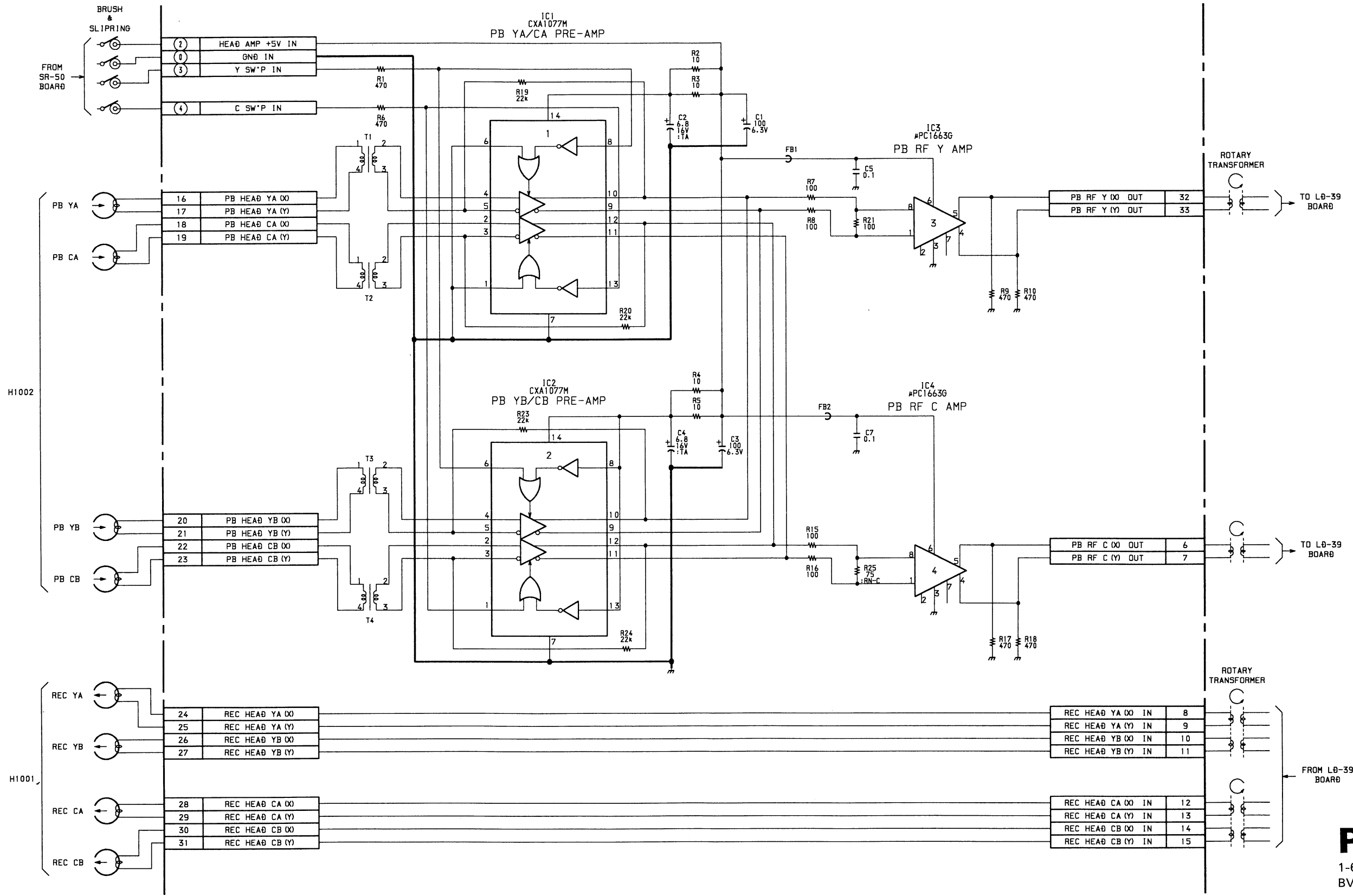
1

2

3

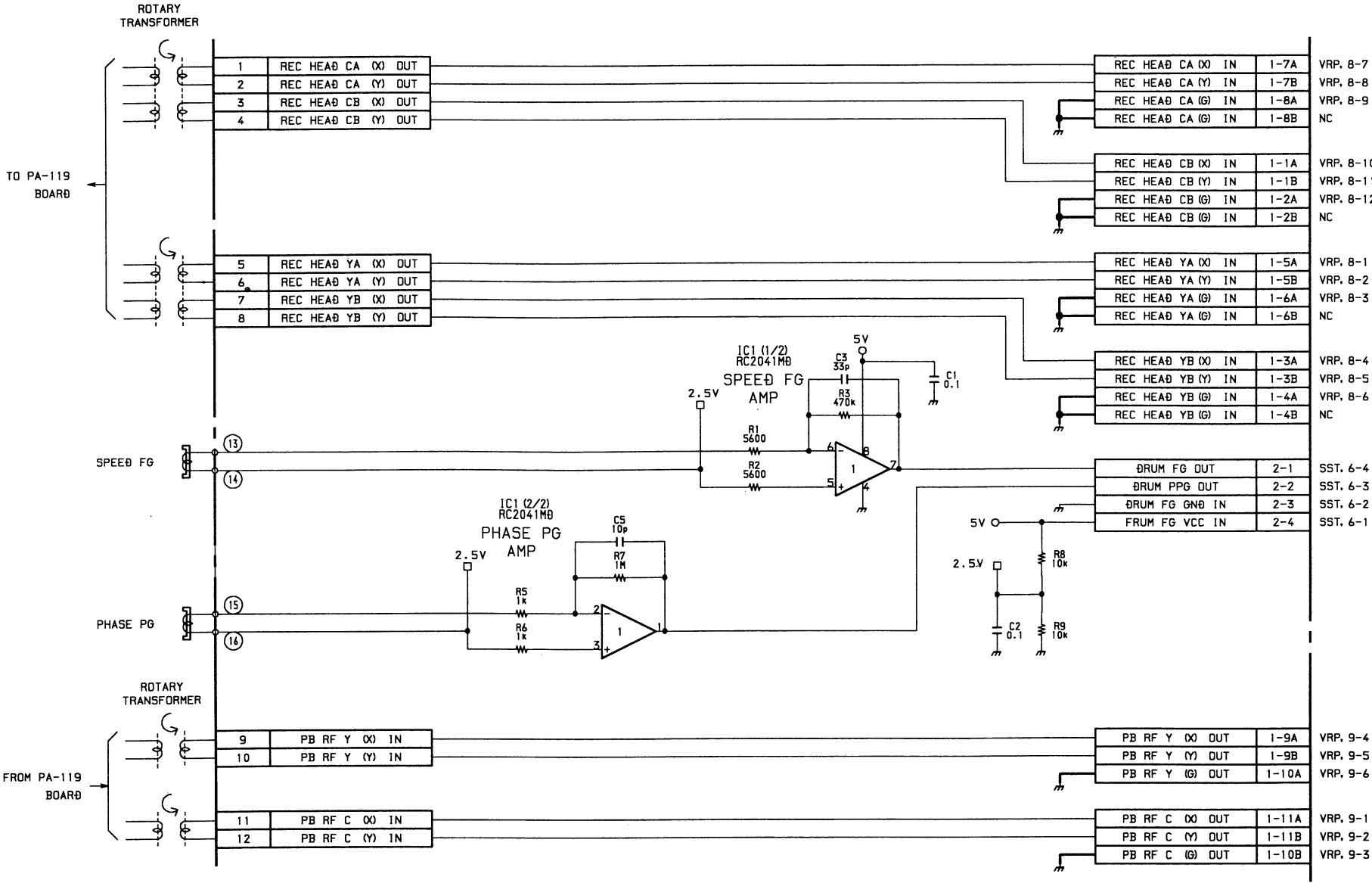
4

5

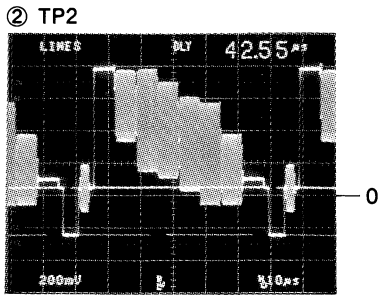
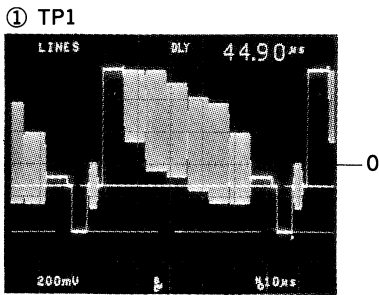


PA-119
1-638-708-13 (1)
BVW-50

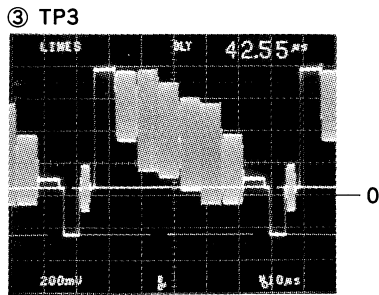
LD-39; VIDEO REC HEAD/PB RF CONNECTION
DRUM FG/PG AMPLIFIER



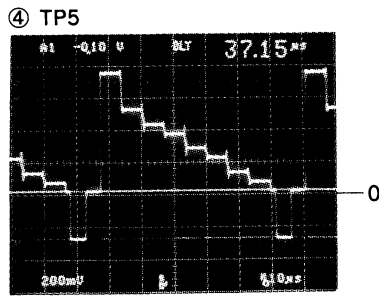
LD-39
1-638-707-11 (1)
BVW-50



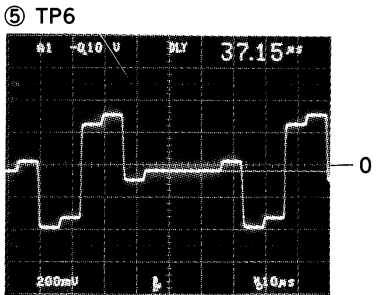
VIDEO OUT 1 : 75Ω terminate



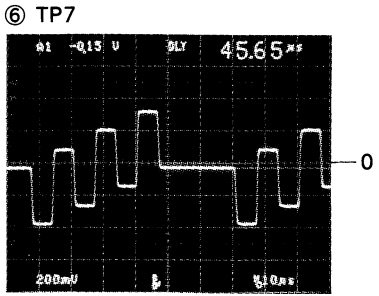
VIDEO OUT 2 : 75Ω terminate



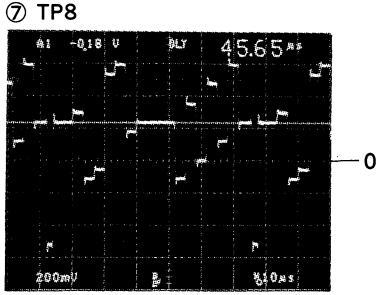
DUB OUT: multi connector cable
DOBNC BLK: 75Ω monitor
BLU: open



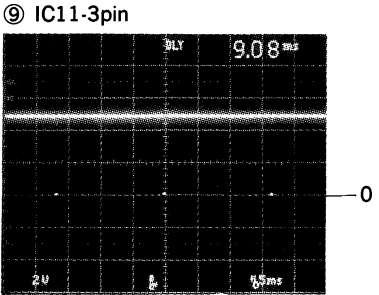
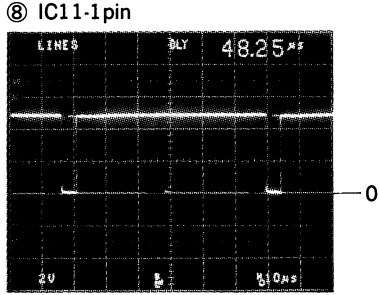
DUB OUT: multi connector cable
DOBNC BRN: 75Ω monitor
BLU: open



DUB OUT: multi connector cable
DOBNC RED: 75Ω monitor
BLU: open

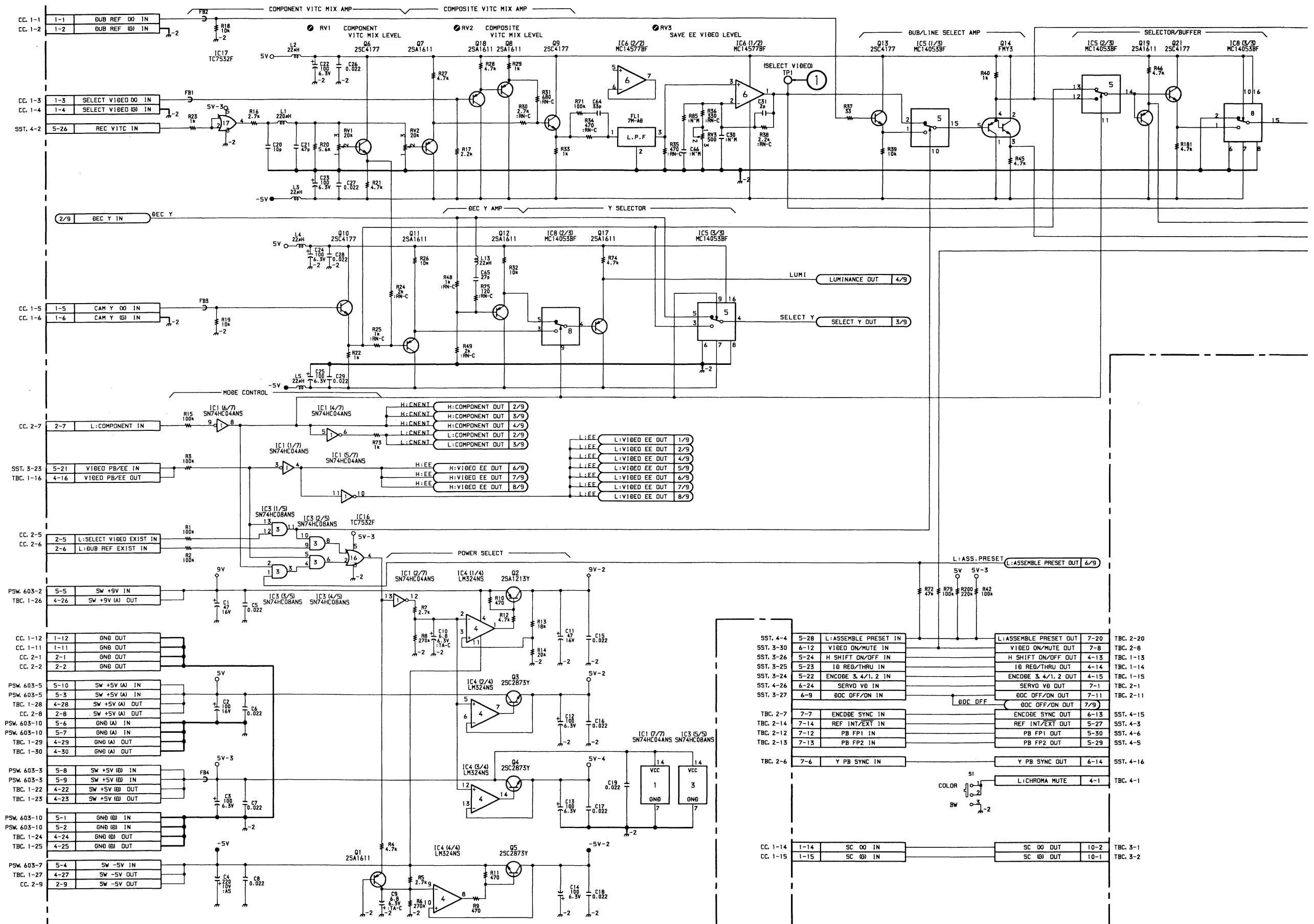


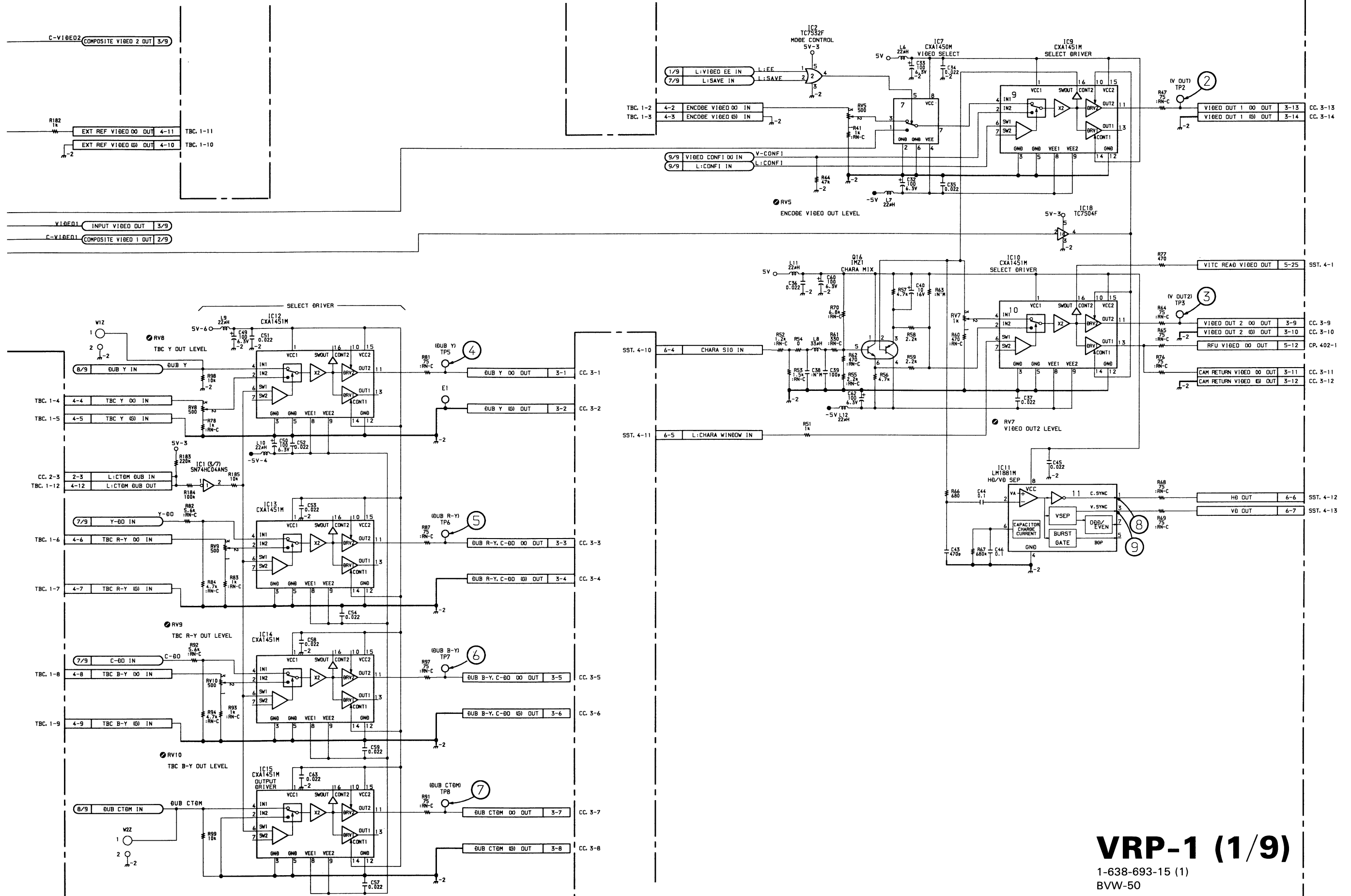
DUB OUT: multi connector cable
DOBNC ORG: 75Ω monitor
BLU-GND: short



Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

VRP-1 (1/9); VIDEO INPUT SELECTOR
VIDEO OUTPUT DRIVER
DUB/COMPONENT OUTPUT DRIVER

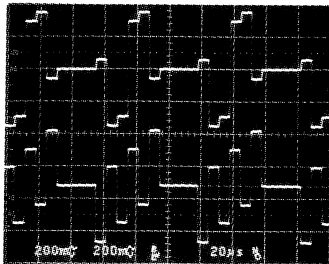




VRP-1 (1/9)

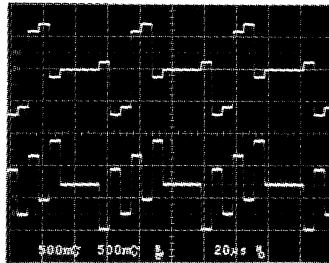
1-638-693-15 (1)
BVW-50

① CN1-7pin
CN1-9pin



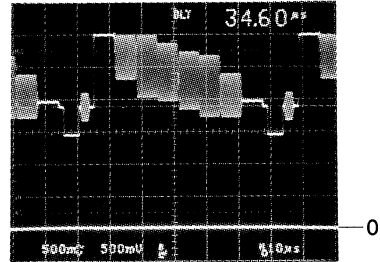
CAMERA IN: 75% color bars

② TP101
TP102



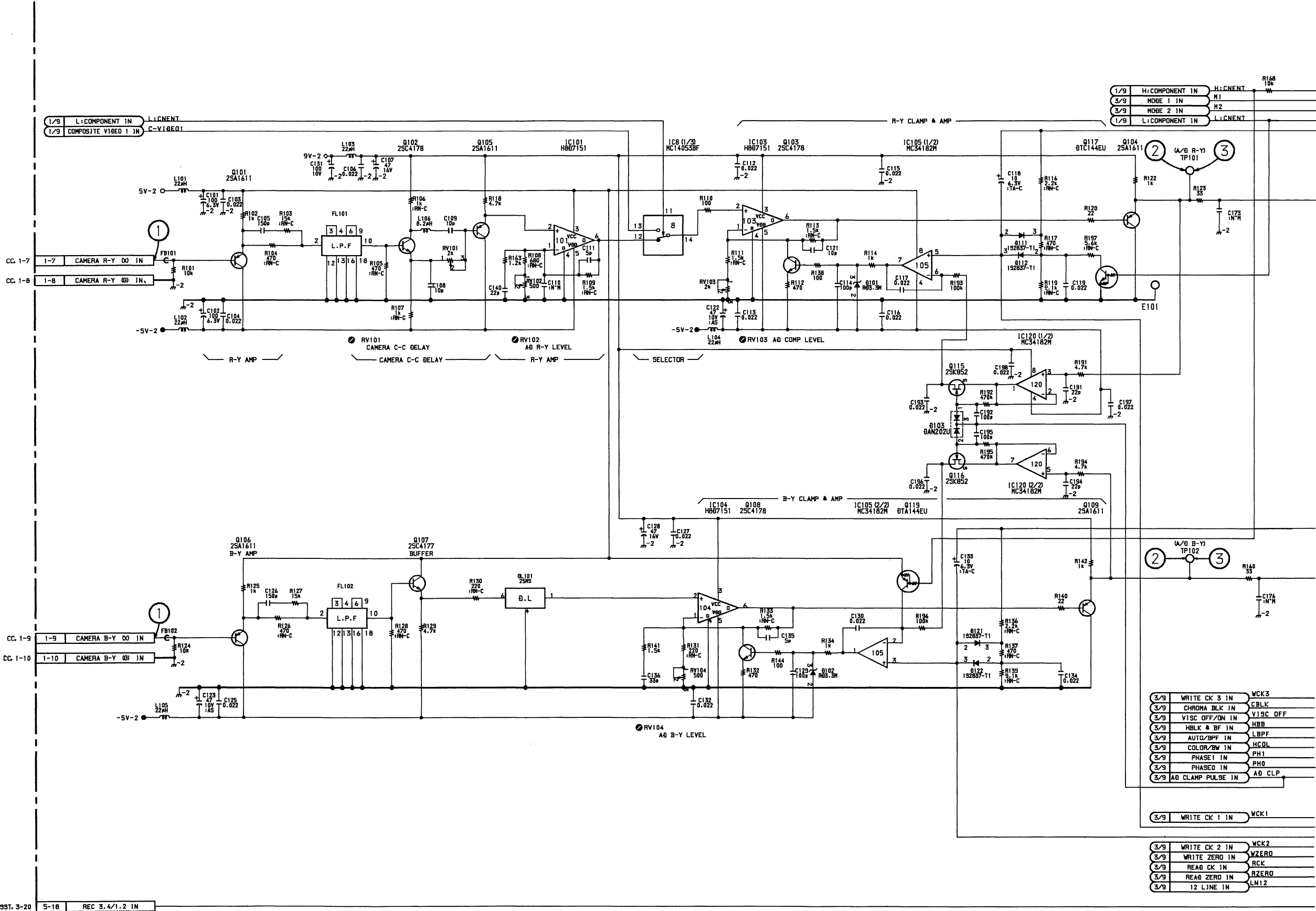
CAMERA IN: 75% color bars

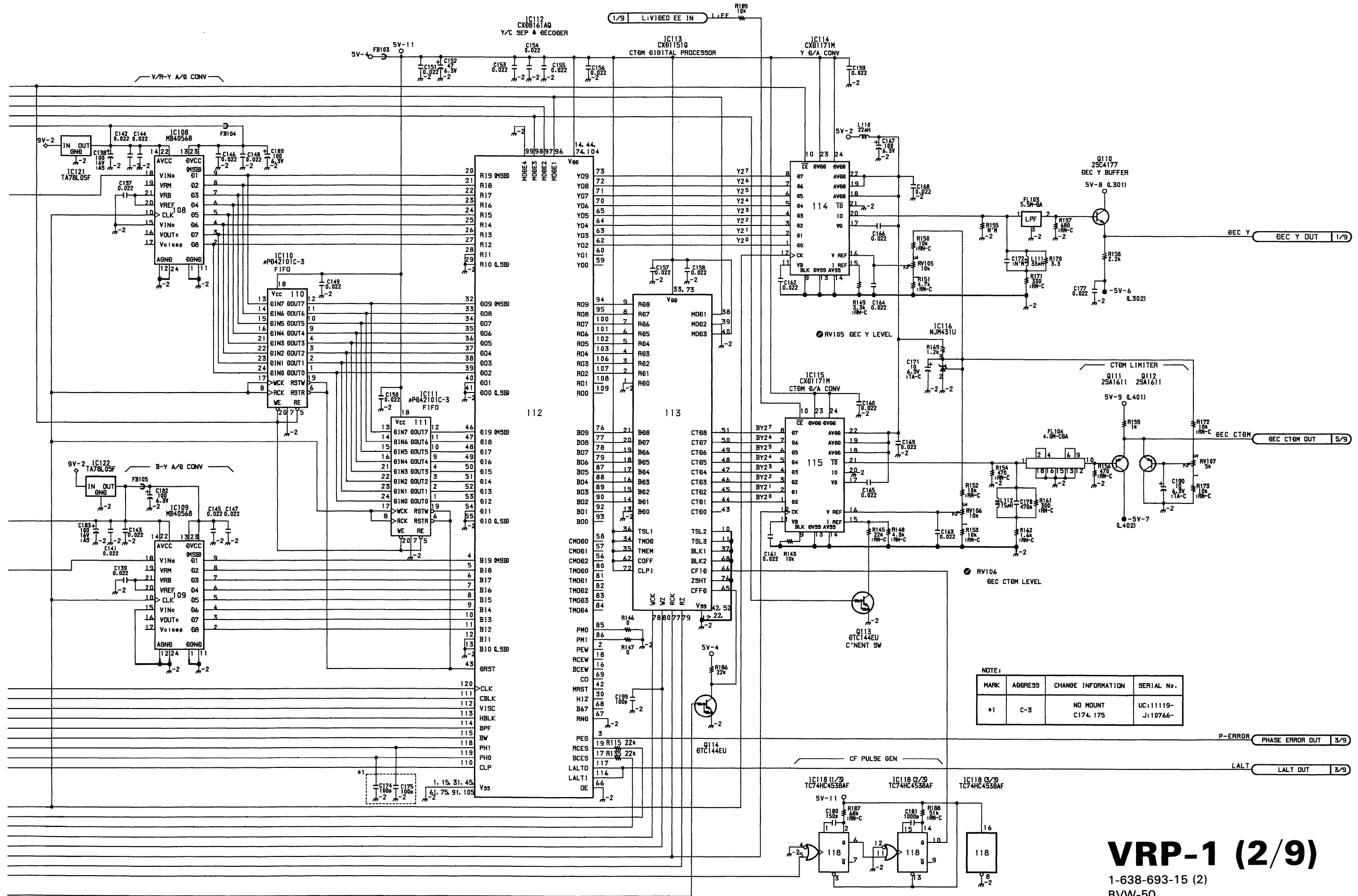
③ TP101
TP102



Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

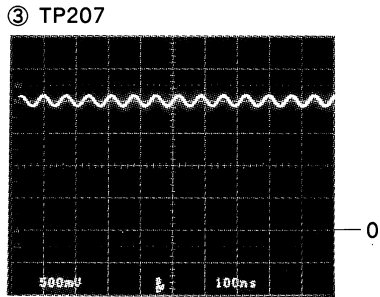
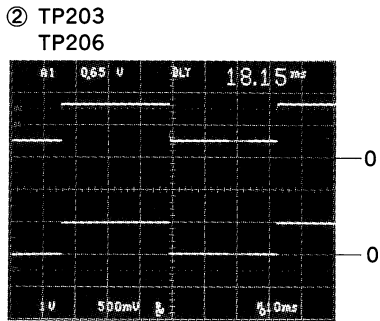
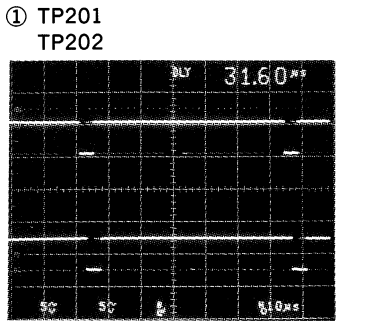
VRP-1 (2/9); DIGITAL Y/C SEPARATOR
DIGITAL CTDM PROCESSOR



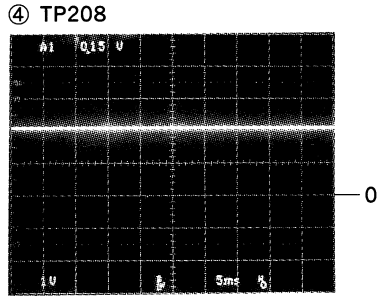


VRP-1 (2/9)

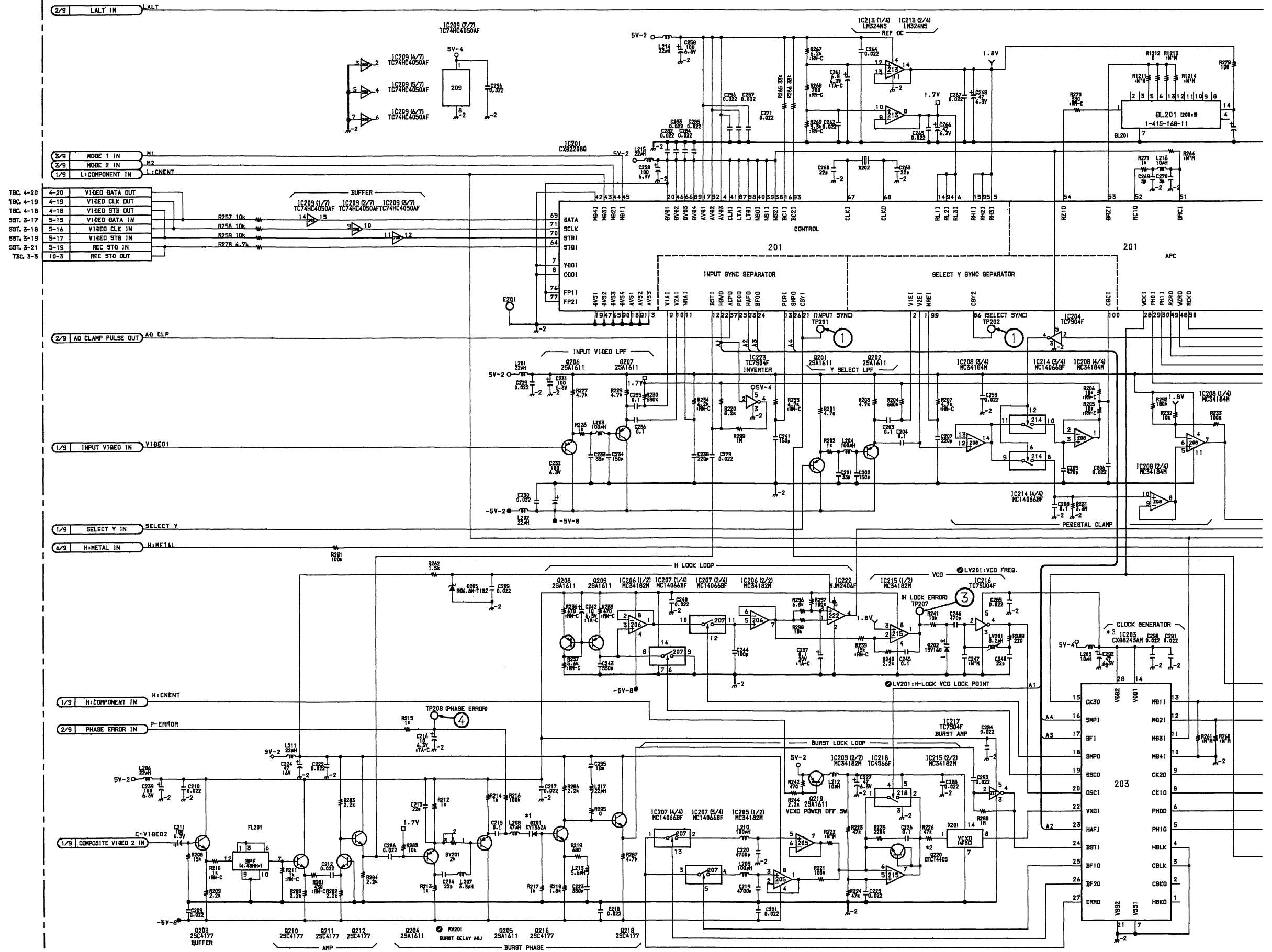
1-638-693-15 (2)
BVW-50

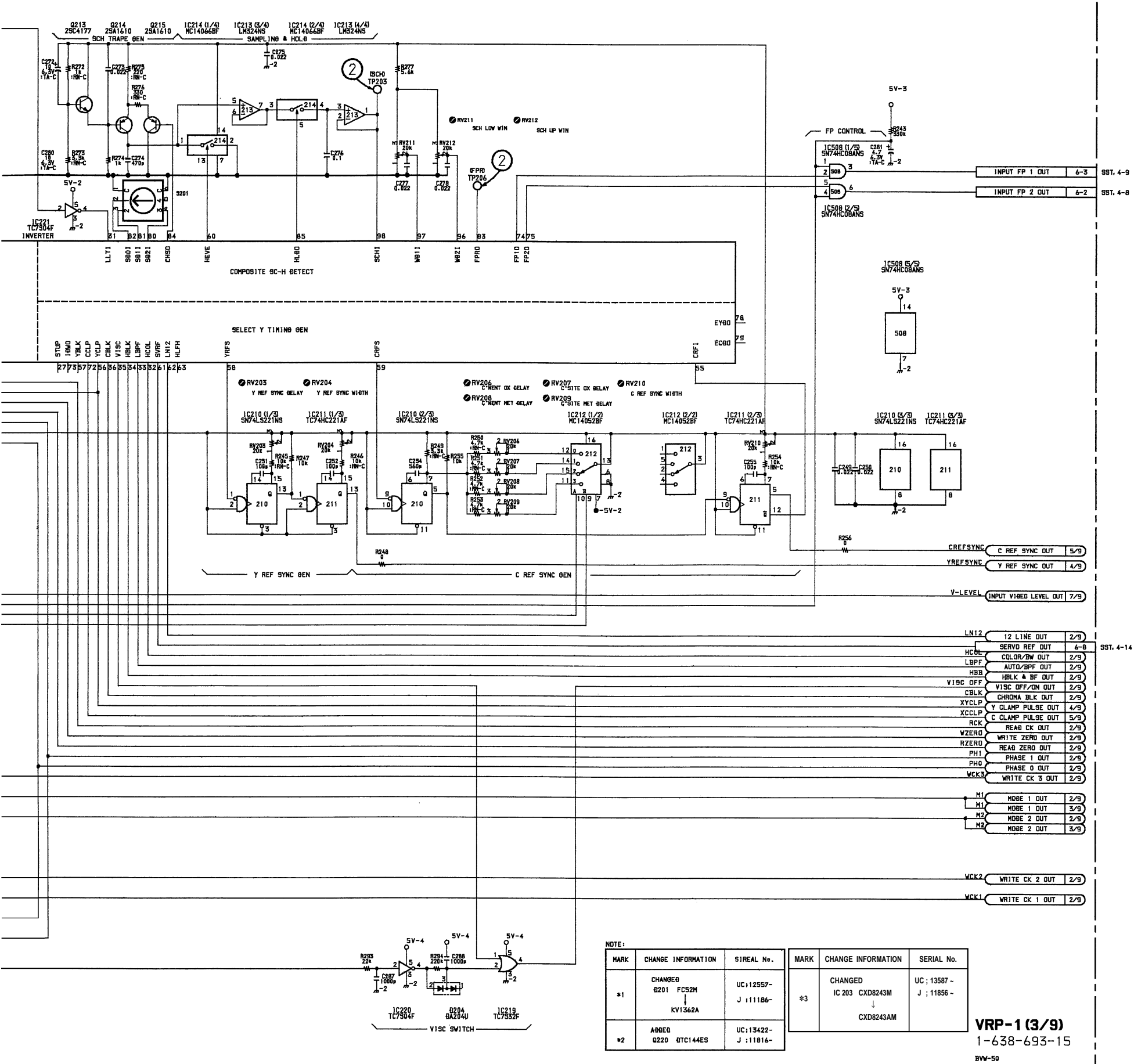


CAMERA IN: 75% color bars



Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

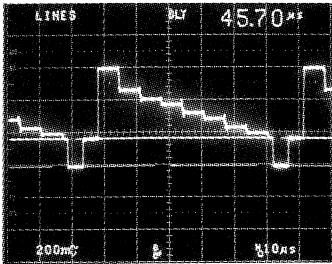
VRP-1 (3/9); TIMING PULSE GENERATOR



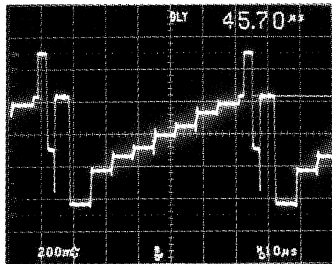
VRP-1 (3/9)
1-638-693-15 (3)
BVW-50

VRP-1 (4/9); Y FM MODULATOR
SLEW RATE LIMITER

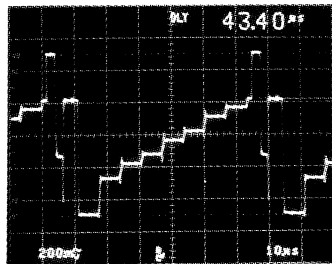
① TP301



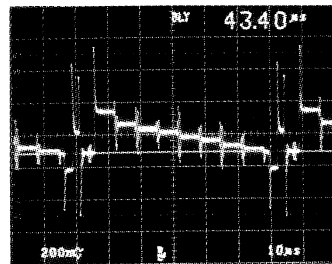
② IC301-3pin



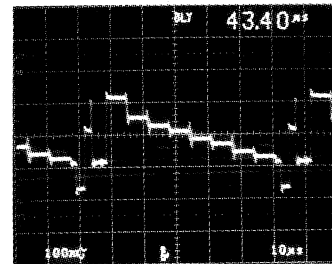
③ TP302



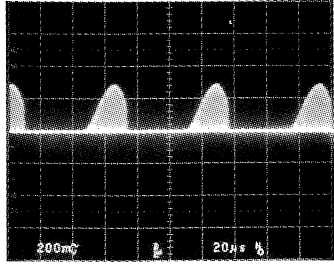
④ TP303



⑤ TP307

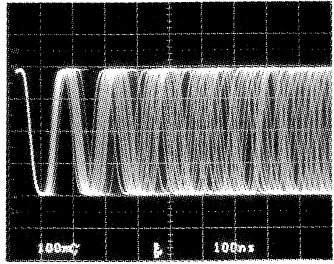


⑥ TP308

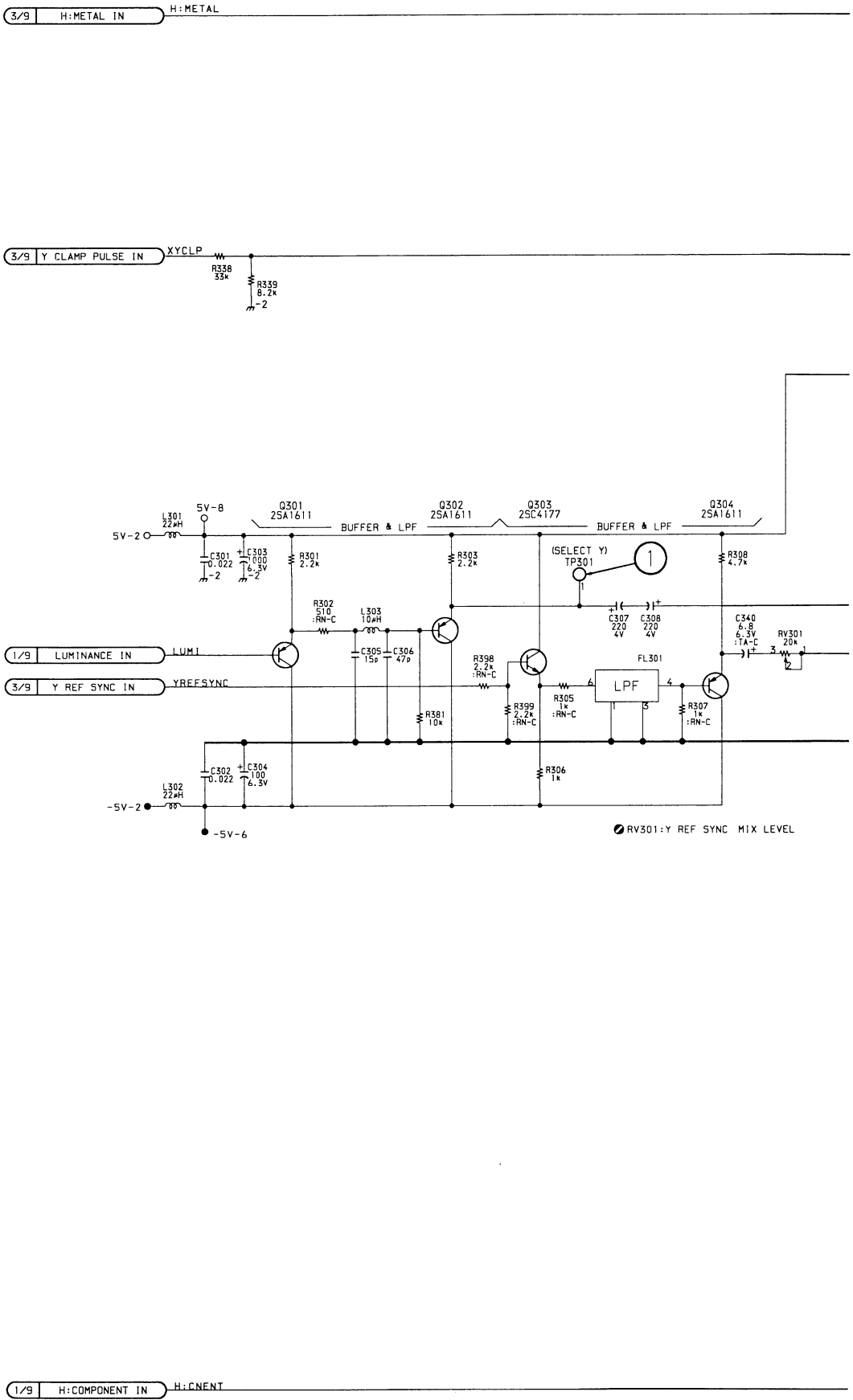


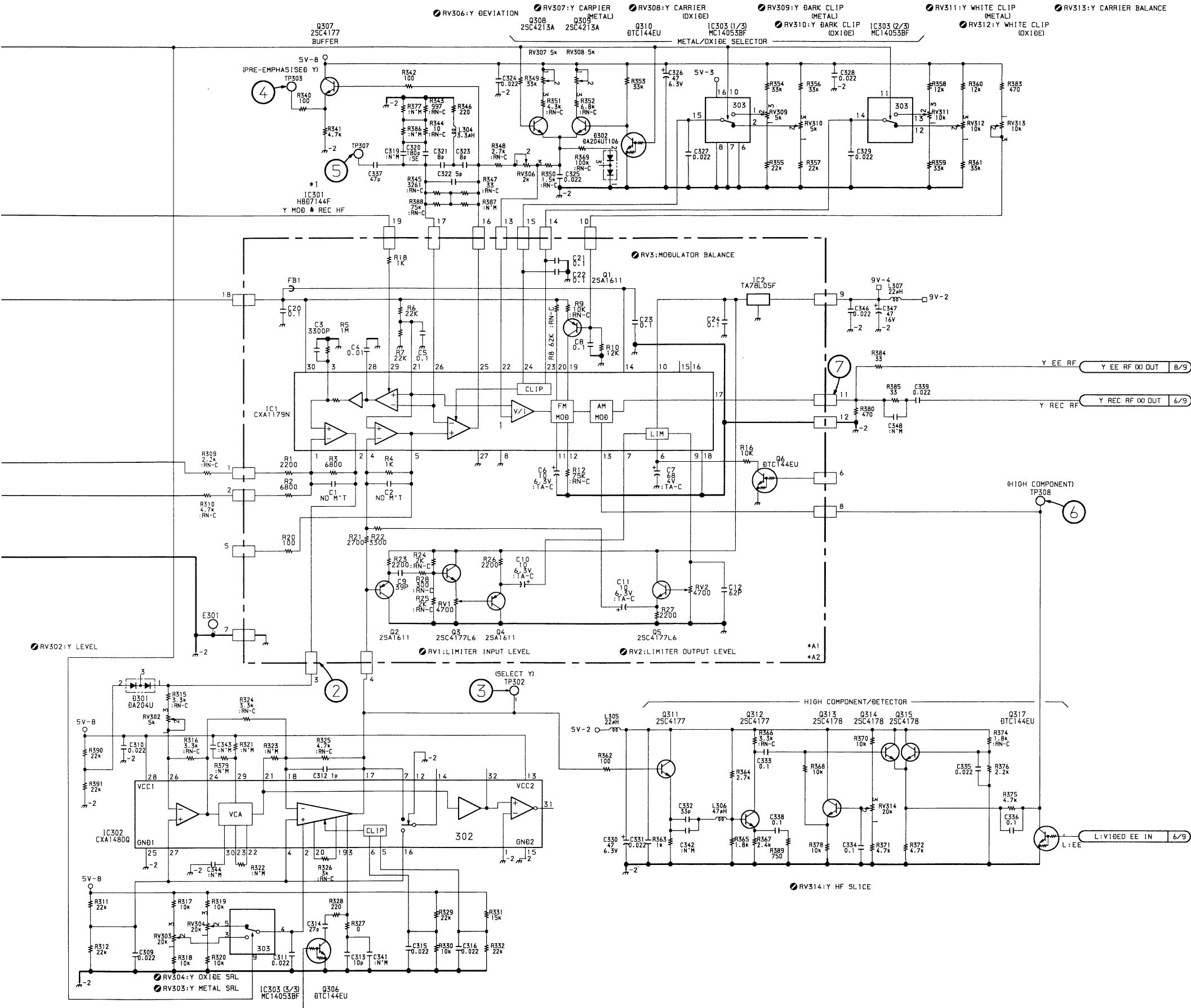
VIDEO IN: 100% H sweep

⑦ IC301-11pin



Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode





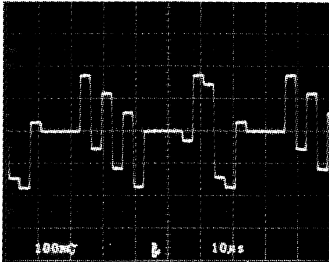
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	E-5	CHANGE IC301 H887144E H887144F	UC:10891- J:10666-

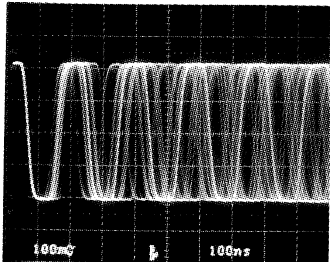
VRP-1 (4/9)

1-638-693-15 (2)
BVW-50

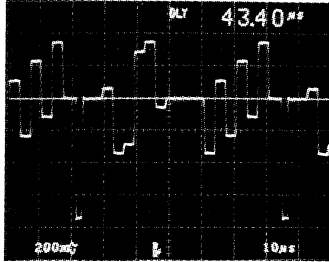
① TP401



⑥ IC401-11pin

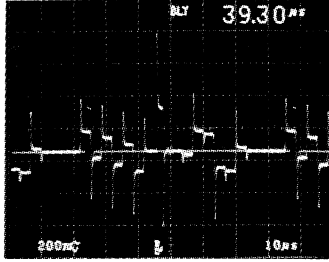


② TP402

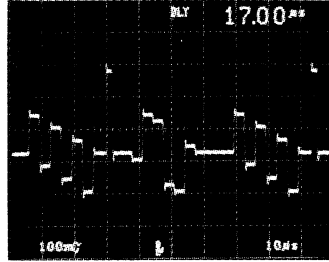


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

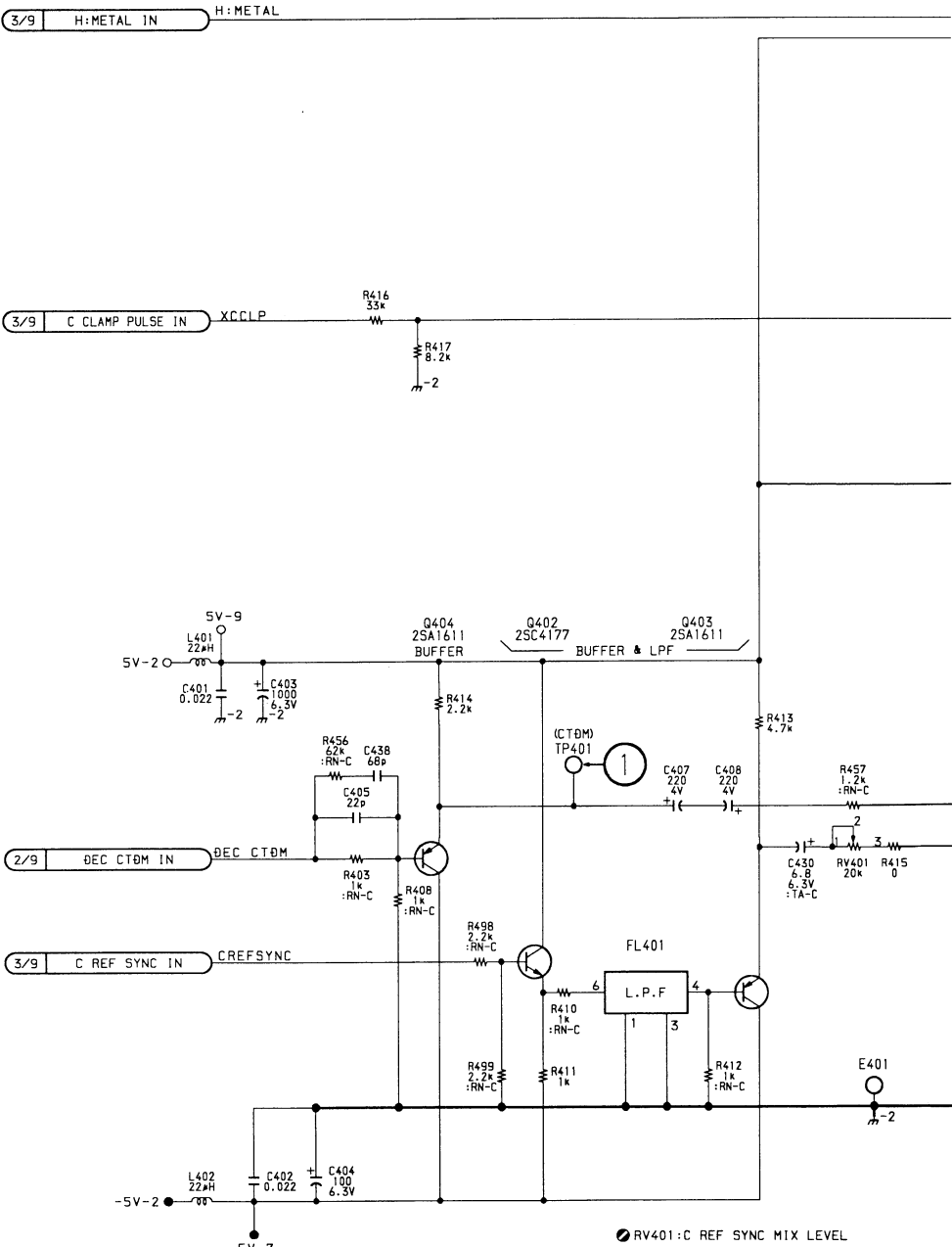
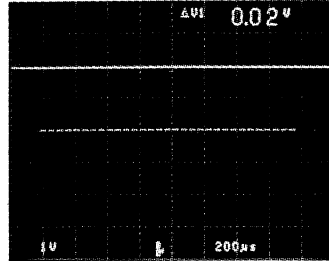
③ TP403



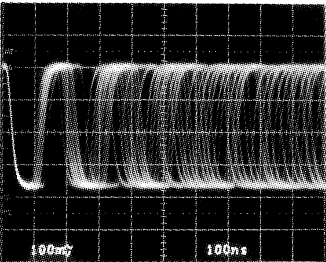
④ TP407



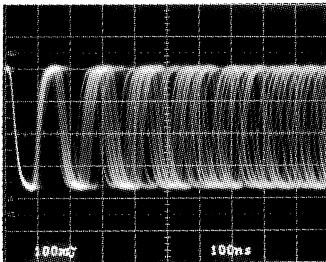
⑤ TP408



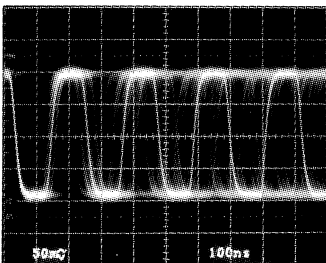
① TP501 (OXIDE)



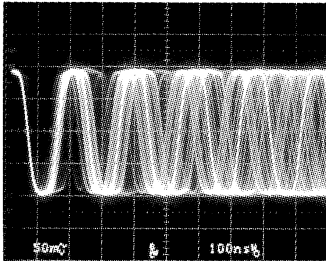
TP501 (METAL)



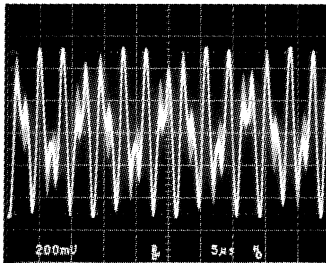
② TP503 (OXIDE)



TP503 (METAL)

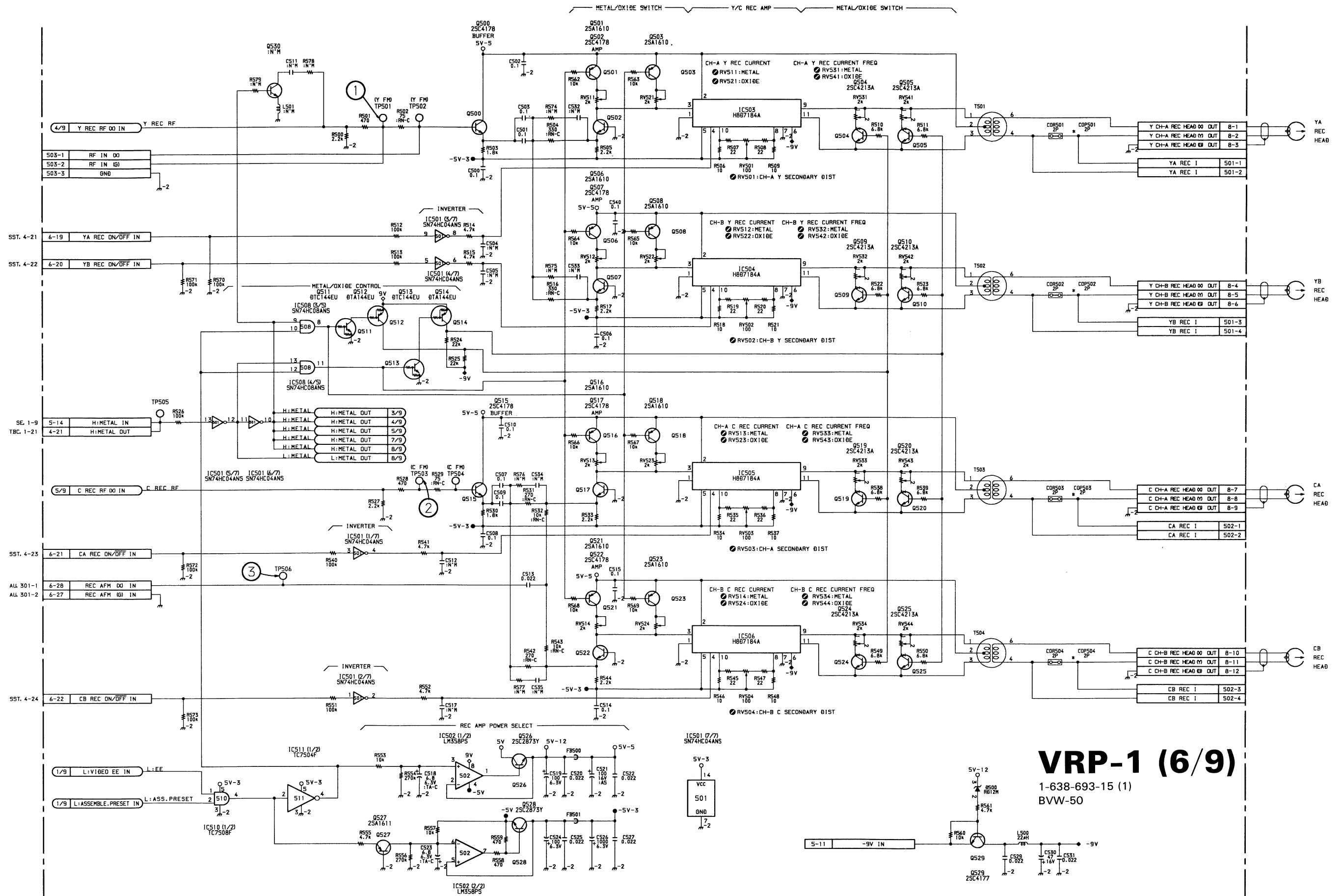


③ TP506

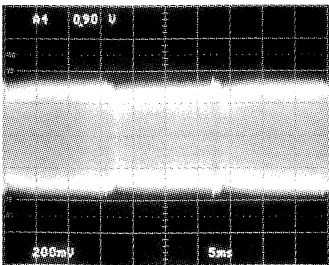


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

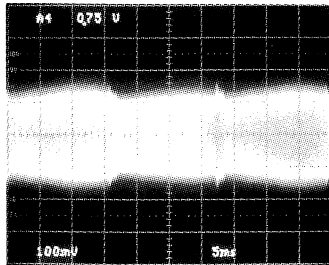
VRP-1 (6/9); Y/C REC AMPLIFIER



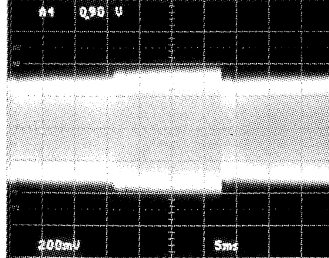
① CN9-4pin (METAL)



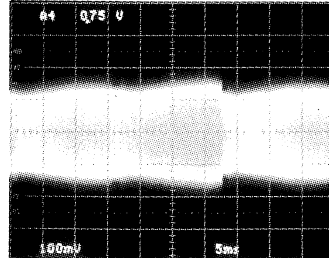
CN9-4pin (OXIDE)



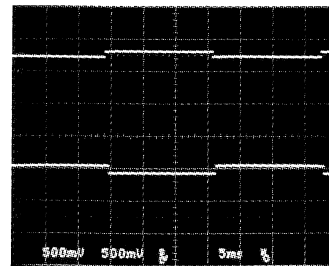
② CN9-1pin (METAL)



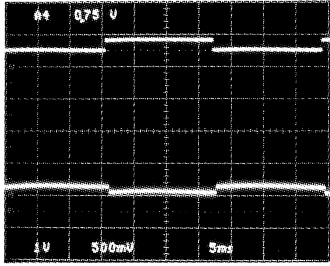
CN9-1pin (OXIDE)



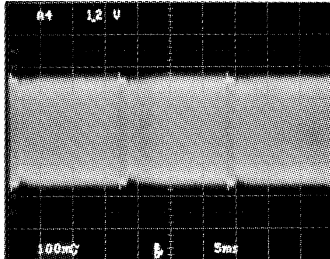
③ S2-4pin (METAL)
S2-1pin (METAL)



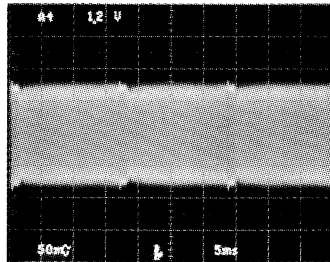
③ S2-4pin (OXIDE)
S2-1pin (OXIDE)



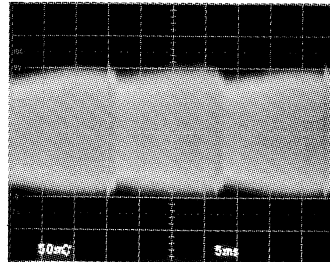
④ TP603 (METAL)



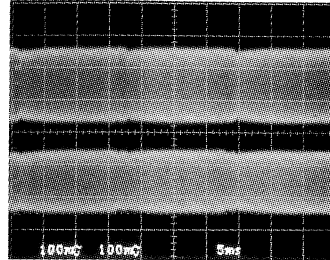
⑤ TP604 (METAL)



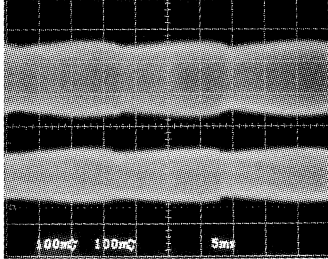
⑥ Q628-E (OXIDE)



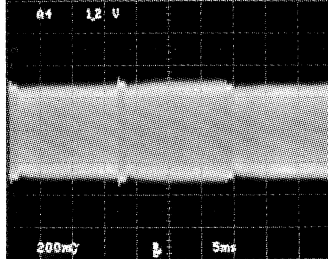
⑦ TP605 (METAL)
TP606 (METAL)



⑦ TP605 (OXIDE)
TP606 (OXIDE)

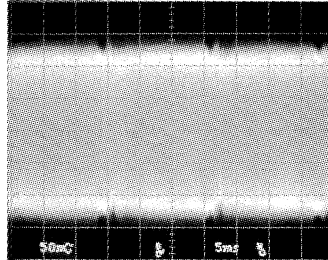


⑧ TP602 (METAL)

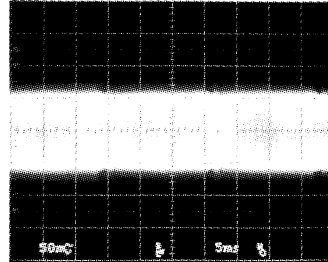


CONFI SW: Y

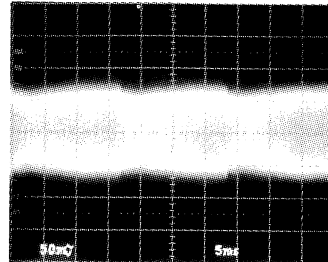
⑨ TP703 (METAL)



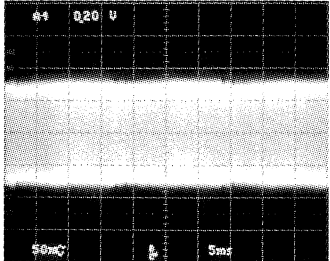
⑩ TP704 (METAL)



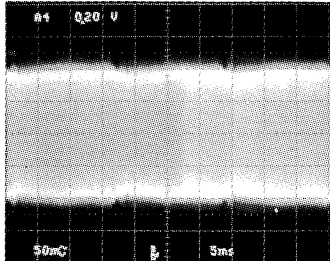
⑪ Q712-E (OXIDE)



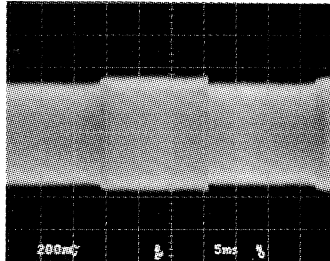
⑫ TP706 (METAL)



⑬ TP705 (METAL)

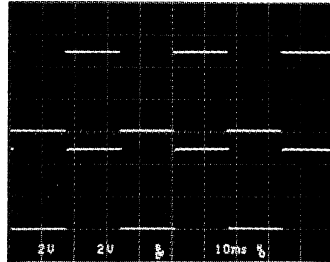


⑭ TP702 REC mode



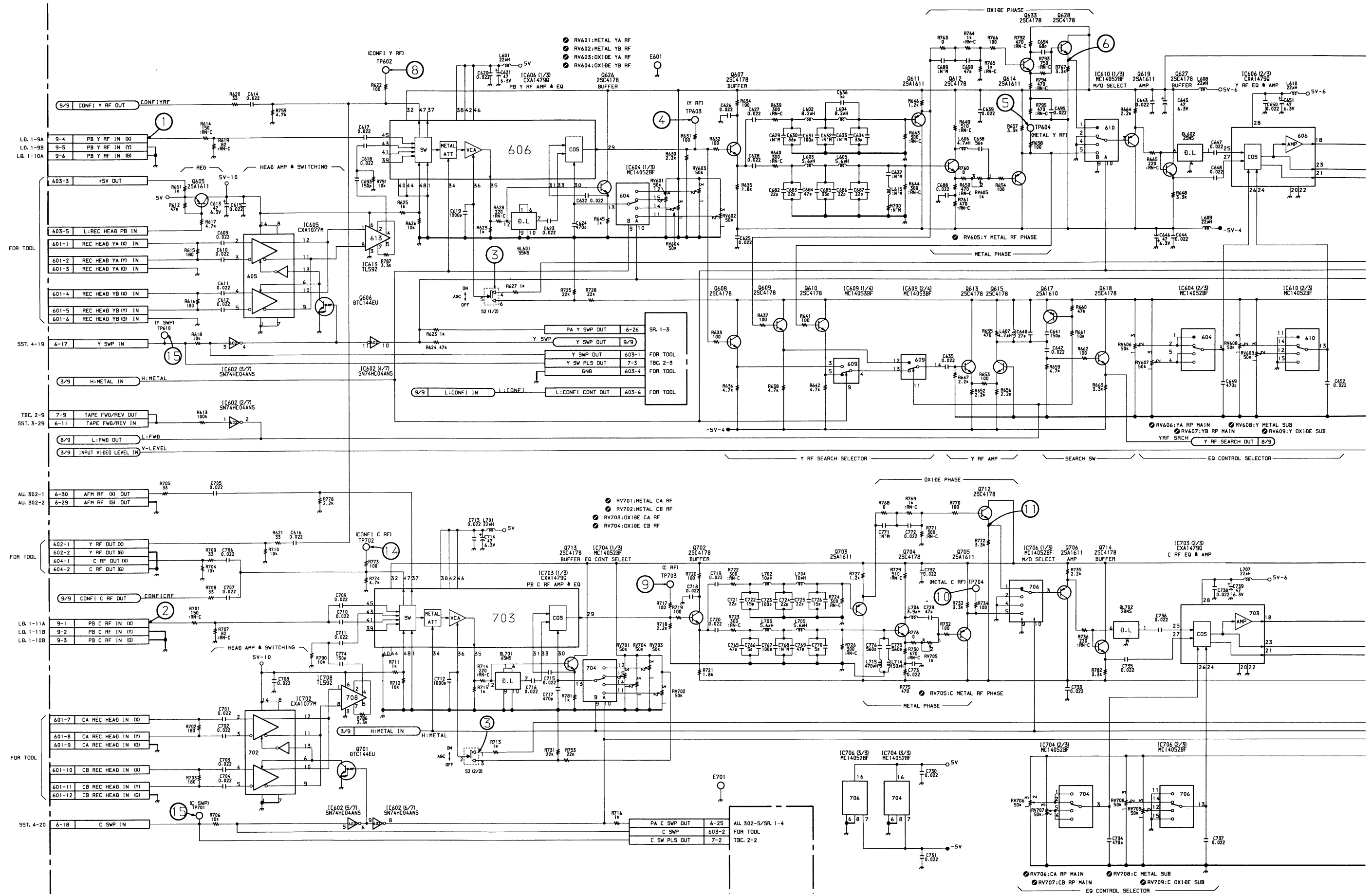
CONFI SW: C

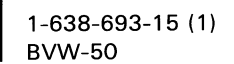
⑮ TP610 (METAL)
TP701 (METAL)

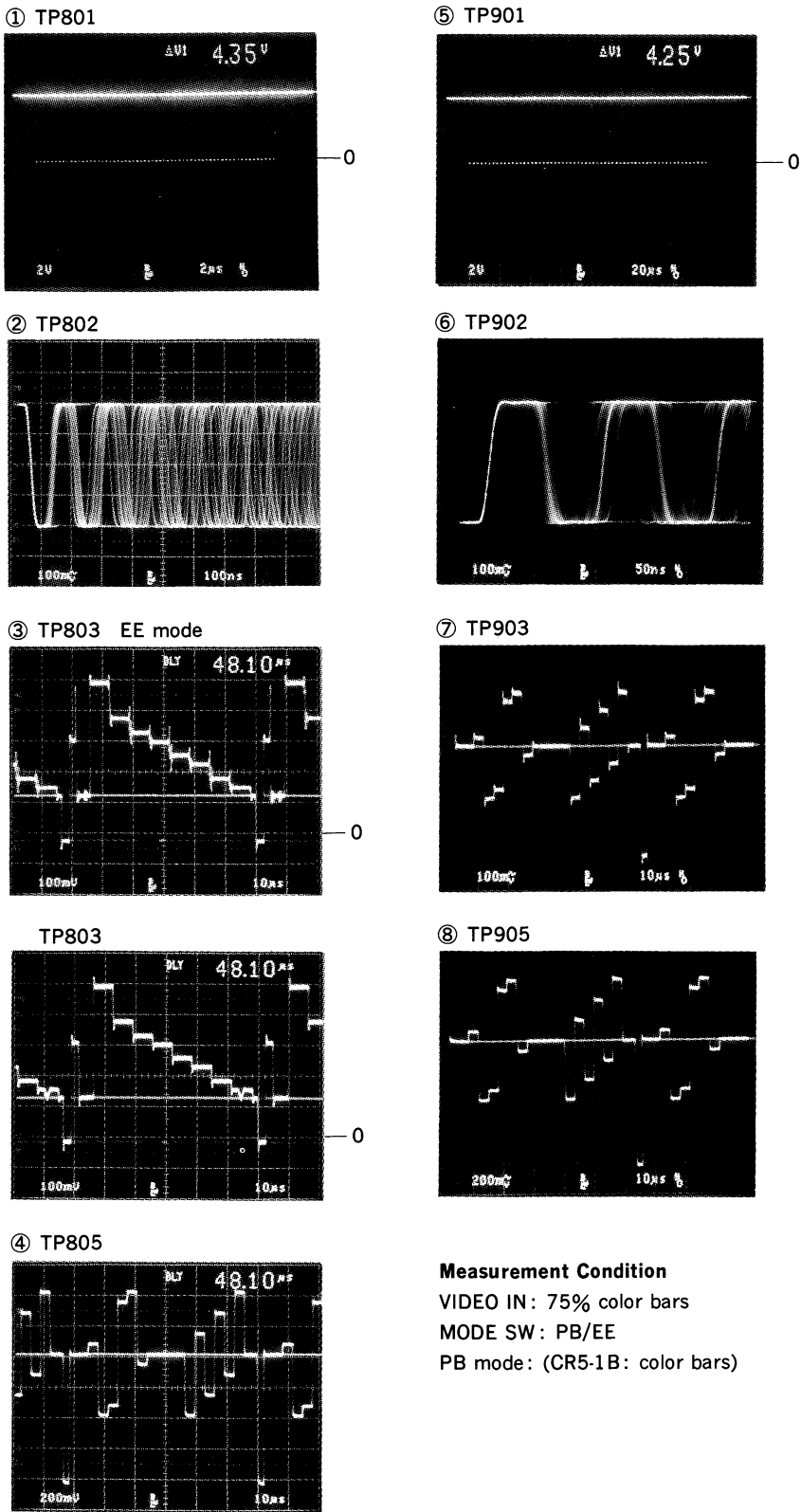


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
PB mode: METAL (CR5-1B: color bars)
OXIDE (CR5-1A: color bars)
TRIG: ① to ⑧ TP610
⑨ to ⑭ TP701

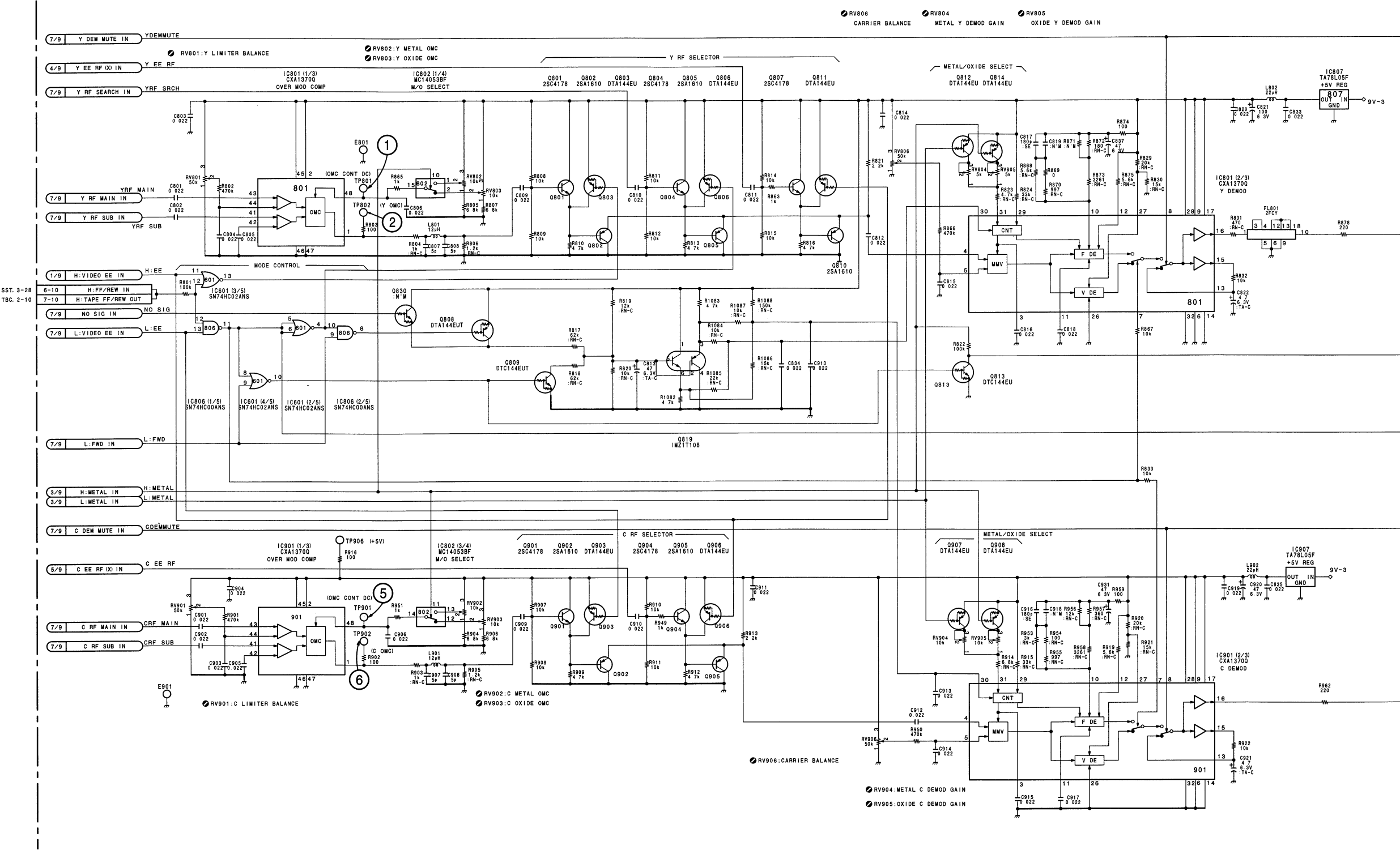
VRP-1 (7/9); PB Y/C RF PROCESSOR

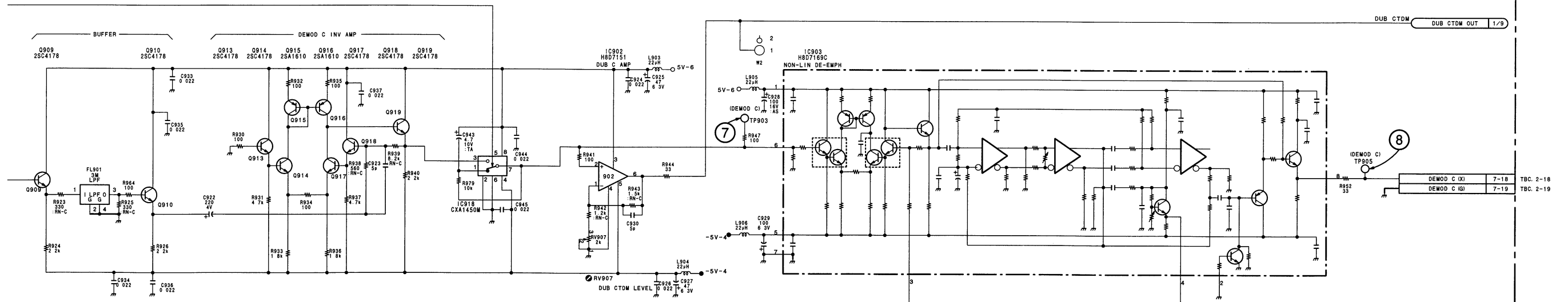
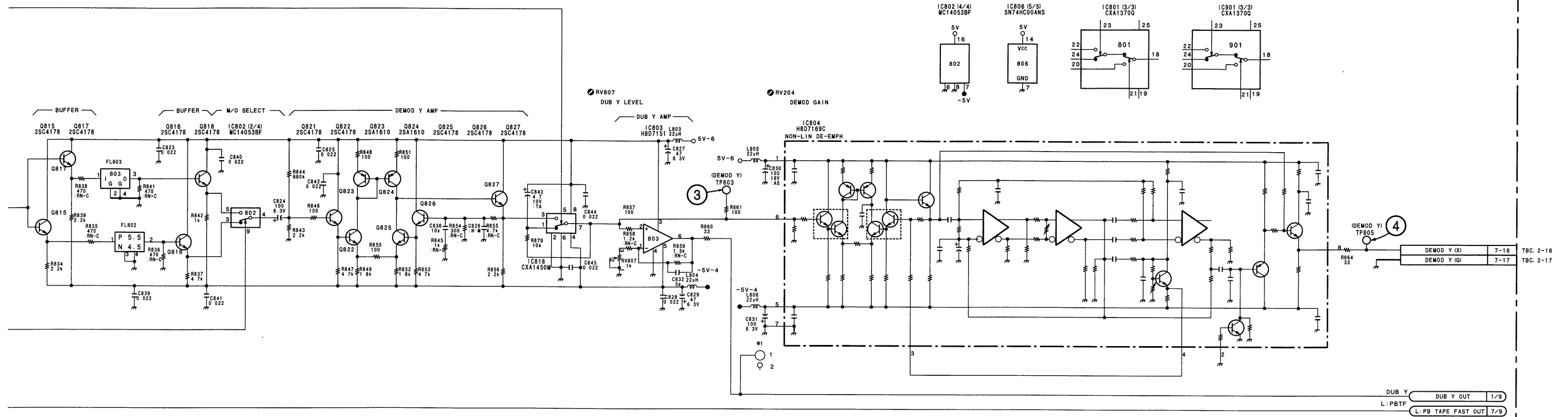






VRP-1 (8/9); Y/C DEMODULATOR

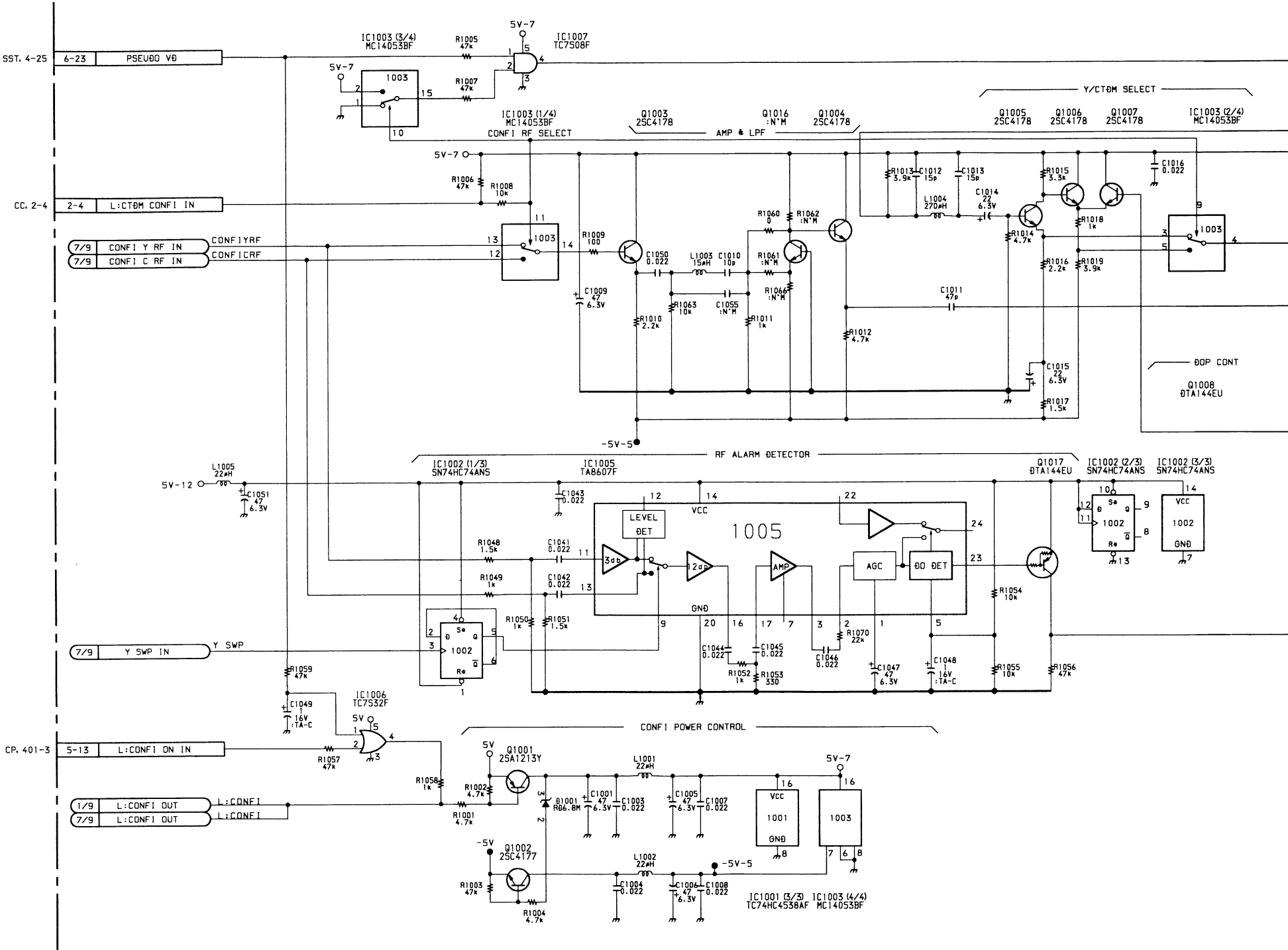




VRP-1 (8/9)

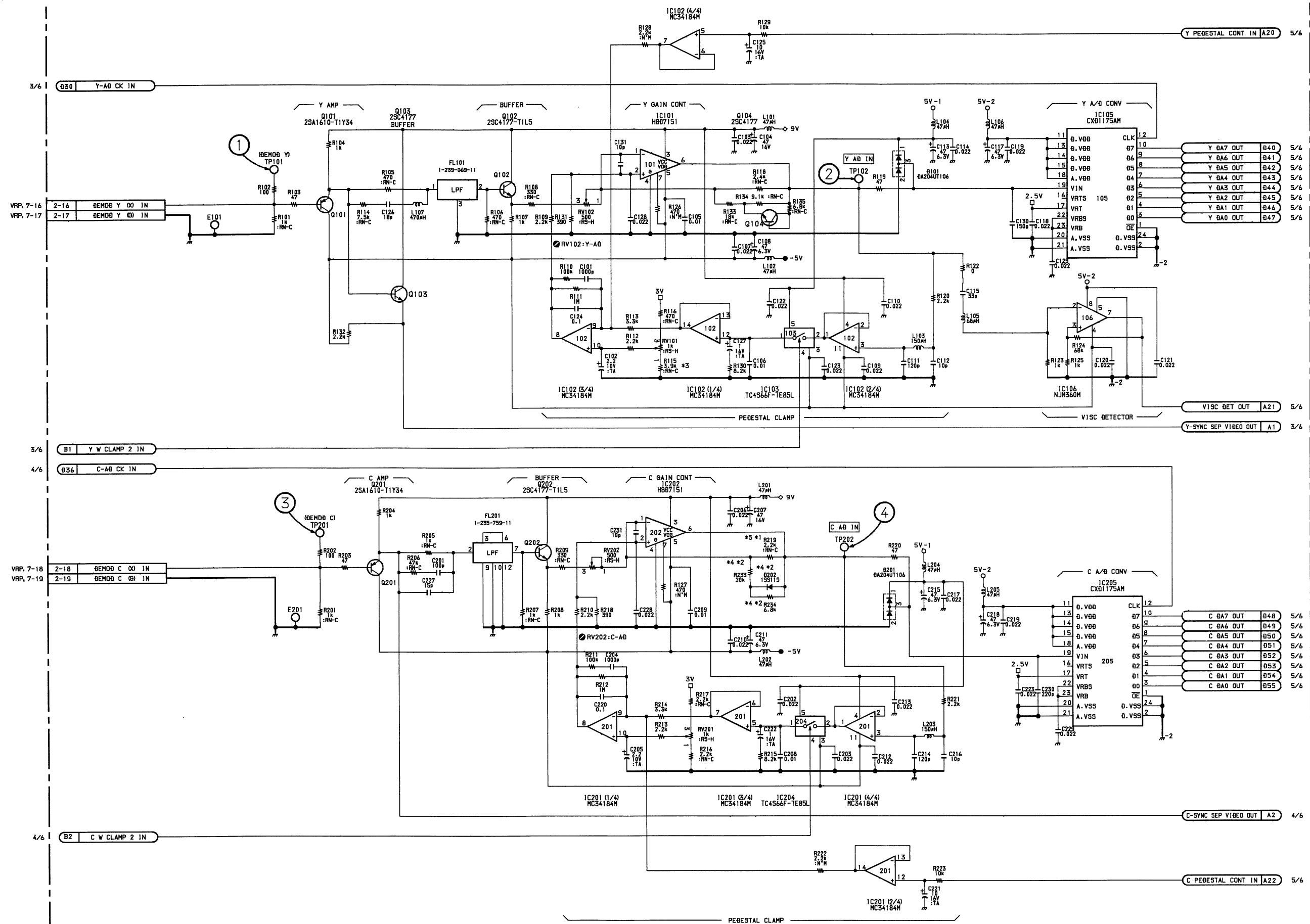
1-638-693-15 (2)
BVW-50

VRP-1 (9/9); VIDEO CONF
RF ALARM DETECTOR



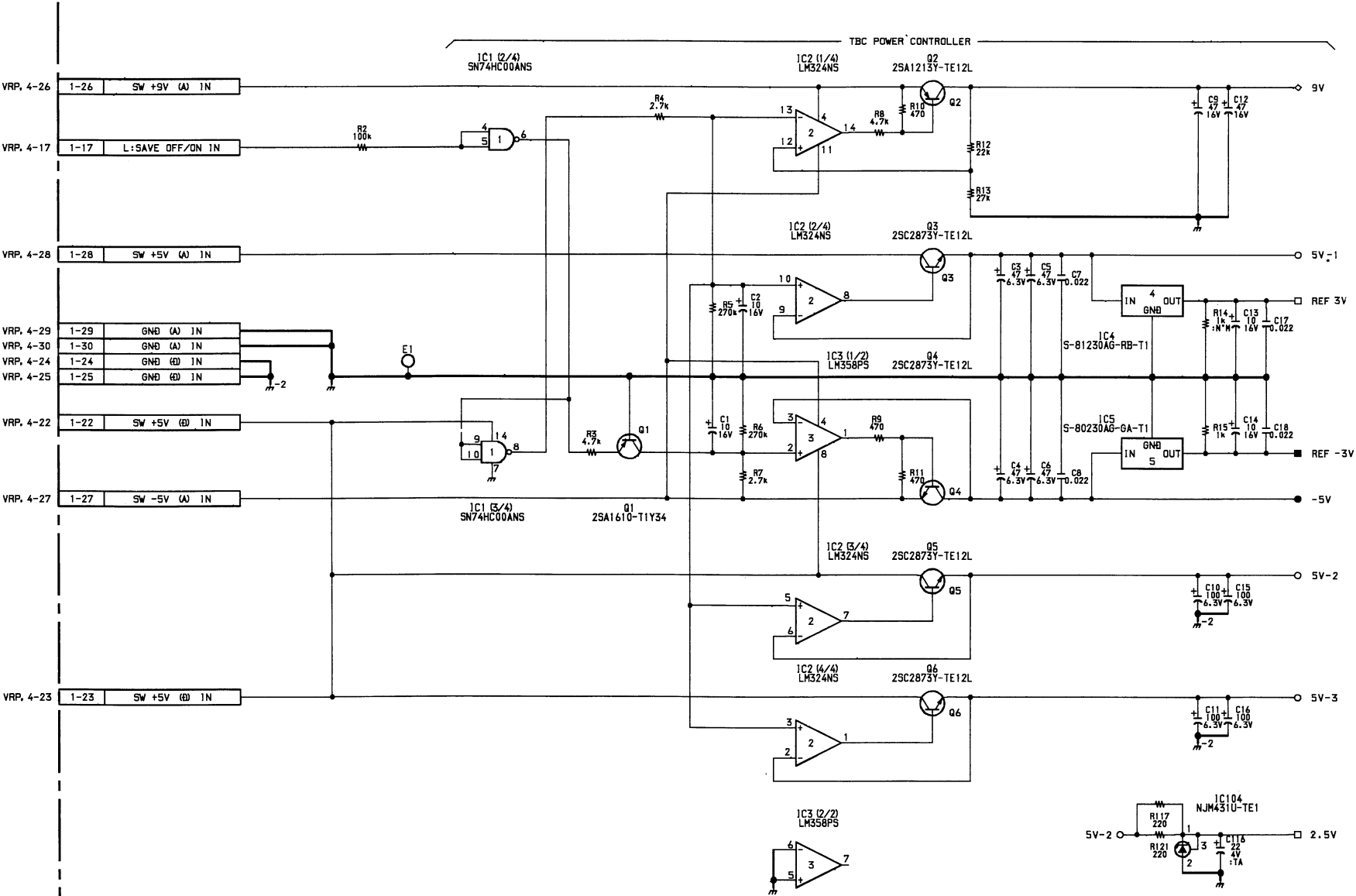


1-638-693-15 (1)
BVW-50

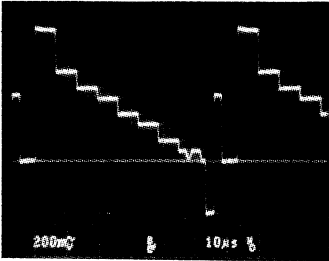


NOTE:

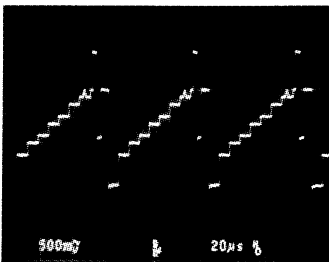
MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	*B-3	CHANGED R219 2.2k → 2.4k	UC:10891- J:10666-
*2	*B-3	ADDED R233 20k R234 6.8k Q202 1SS119	
*3	*B-2	CHANGED R115 4.7k → 3.9k	UC:111119- J:10766-
*4	*B-3	NO MOUNT R233 R234 Q202	UC:11282- J:10846-
*5	*B-3	CHANGED R219 2.4k → 2.2k	UC:11332- J:10856-



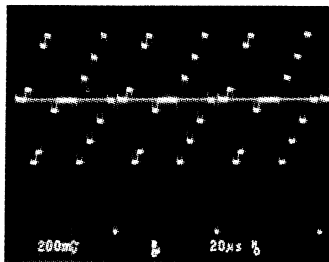
① TP101



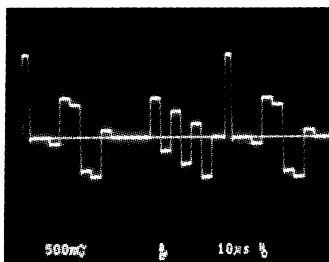
② TP102



③ TP201



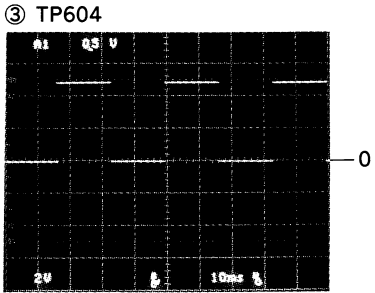
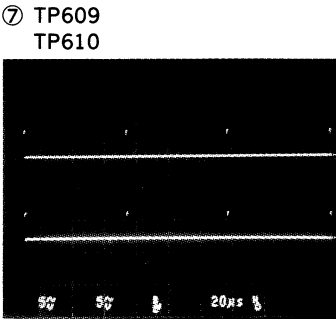
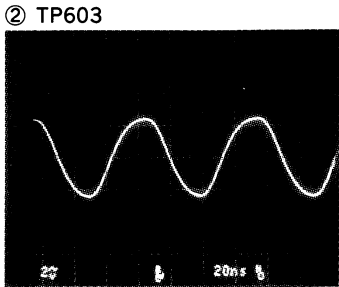
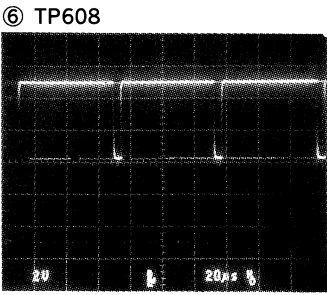
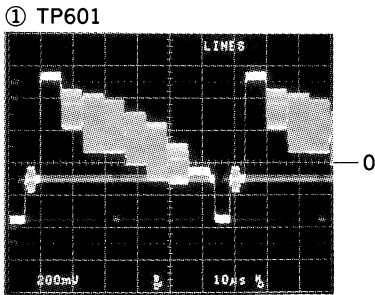
④ TP202



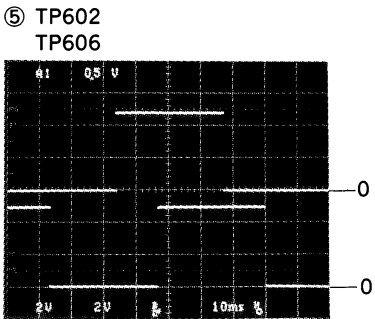
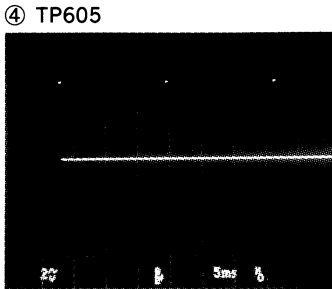
Measurement Condition
MODE SW: PB/EE
PB mode: (CR5-1B: color bars)

TBC-19 (1/6)

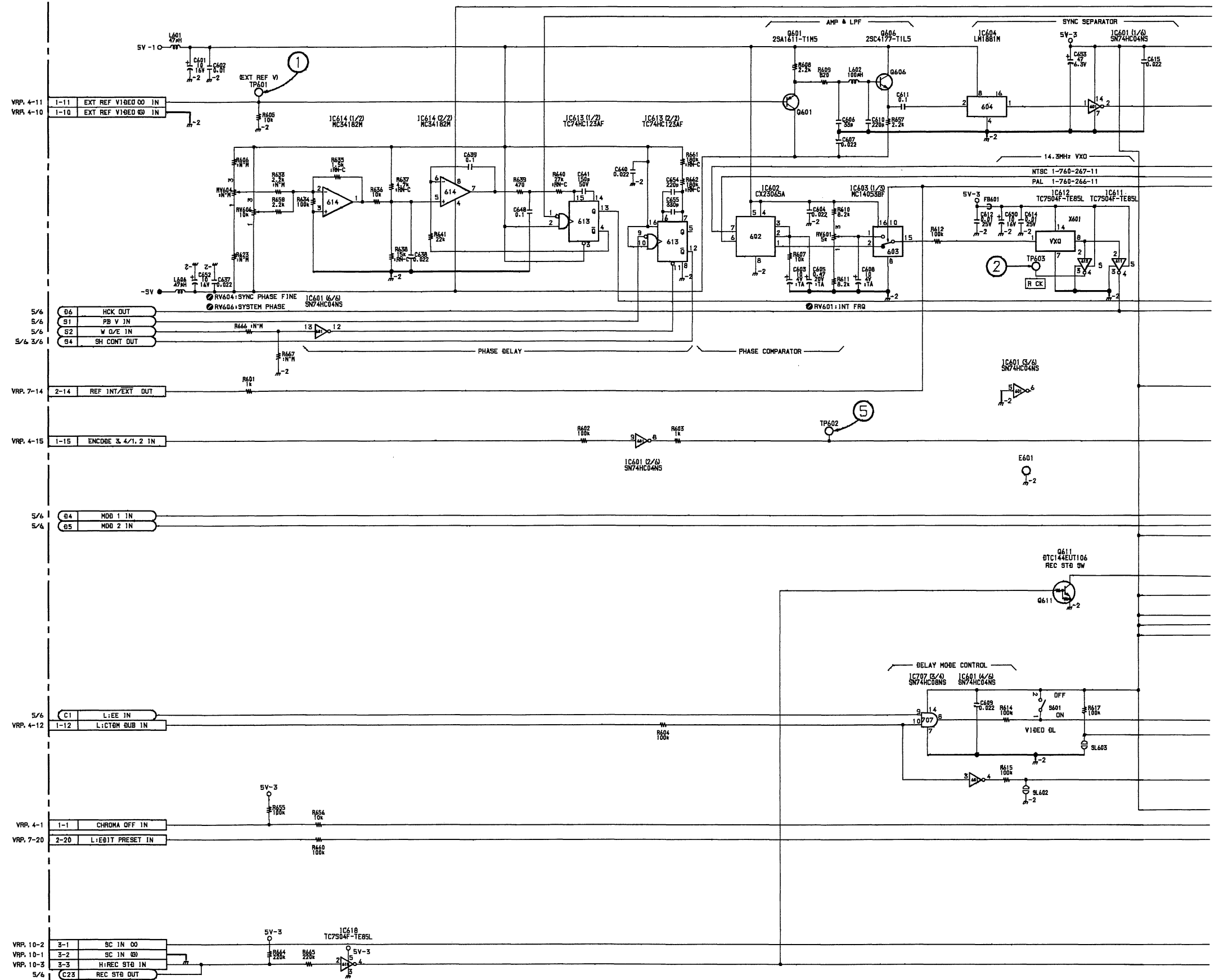
1-638-691-15, 16 (5)
BVW-50



Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode

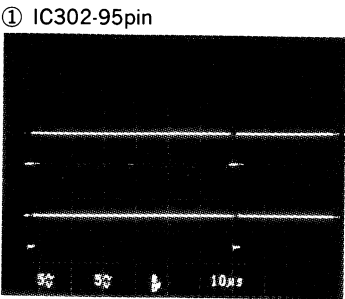


TBC-19 (2/6); READ SIGNAL GENERATOR

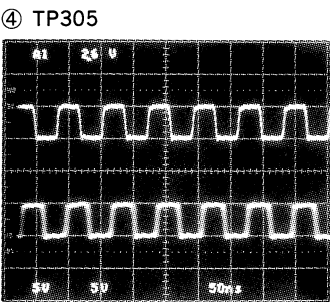
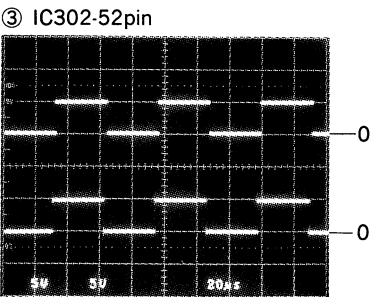
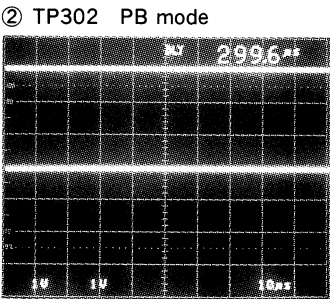




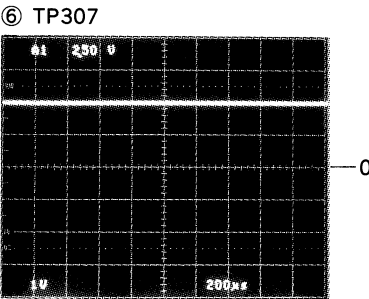
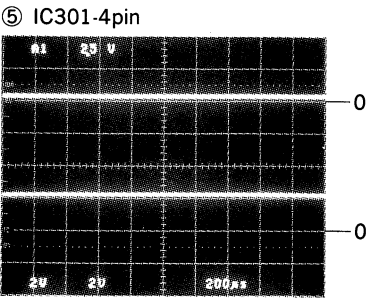
P



CAMERA IN: 75% color bars

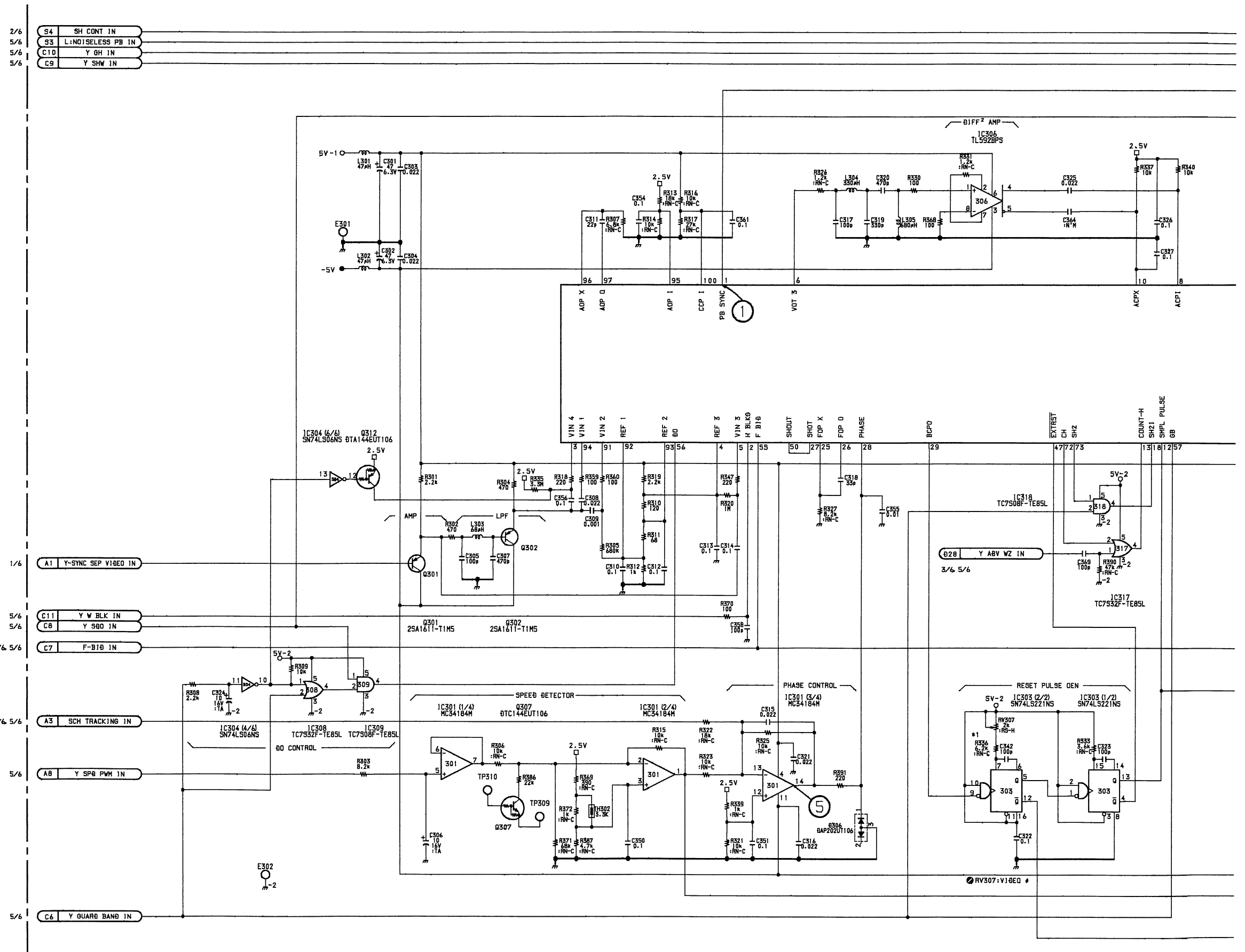


TRIG: CH-1



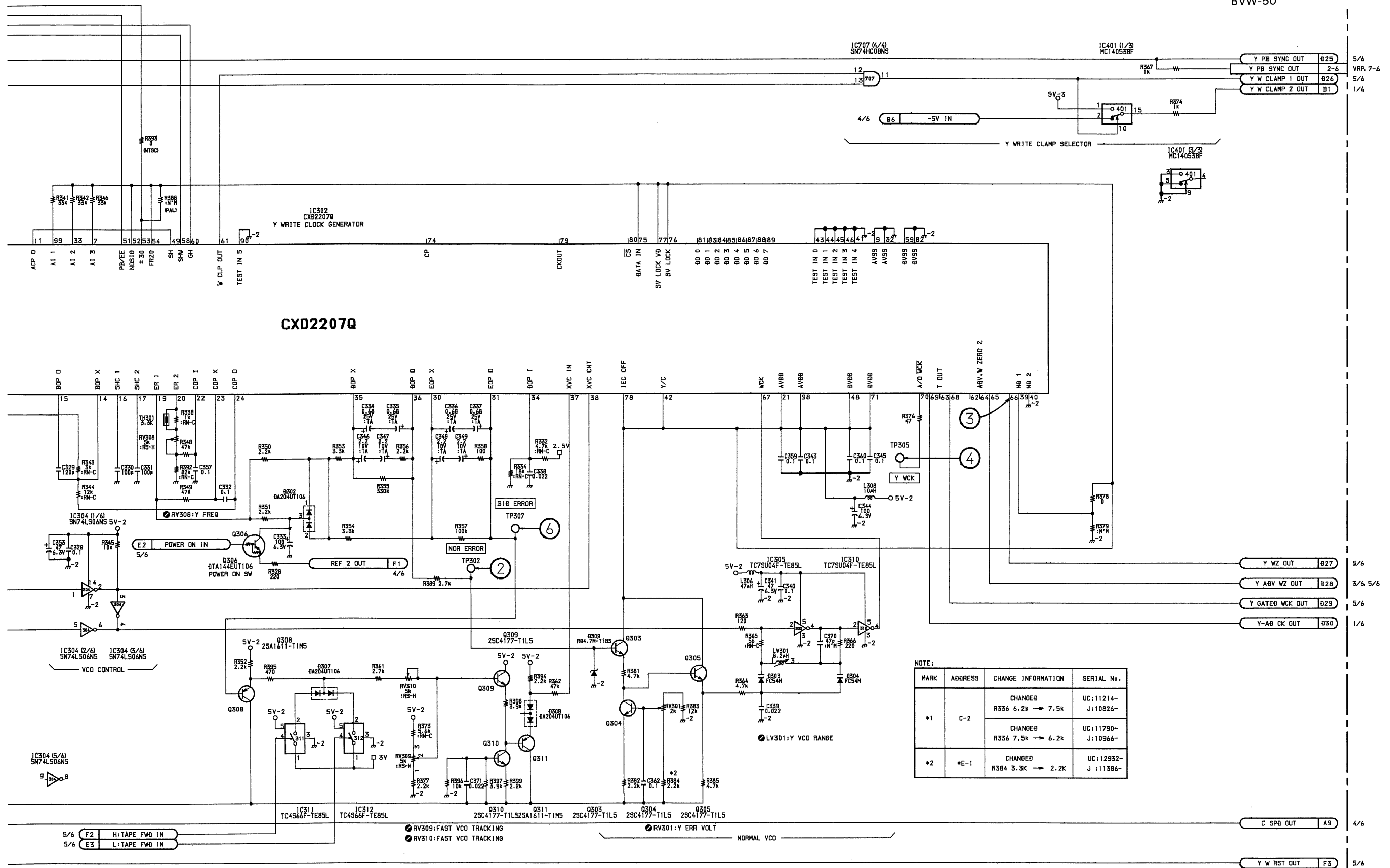
Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode
PB mode: (CR5-1B: color bars)

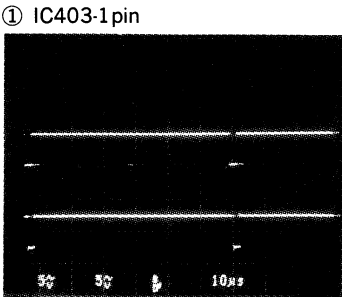
TBC-19 (3/6); Y WRITE CLOCK GENERATOR



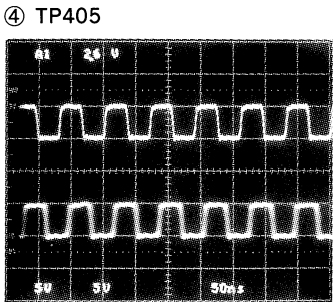
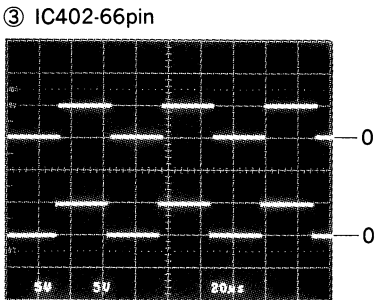
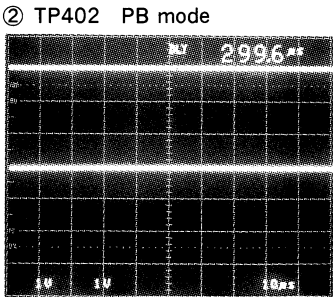
TBC-19 (3/6)

1-638-691-15, 16 (3)
BVW-50

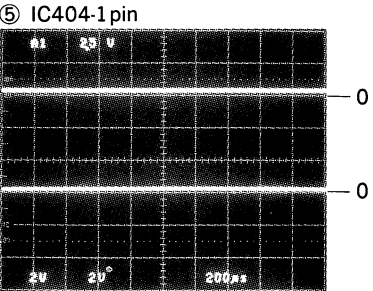




CAMERA IN: 75% color bars

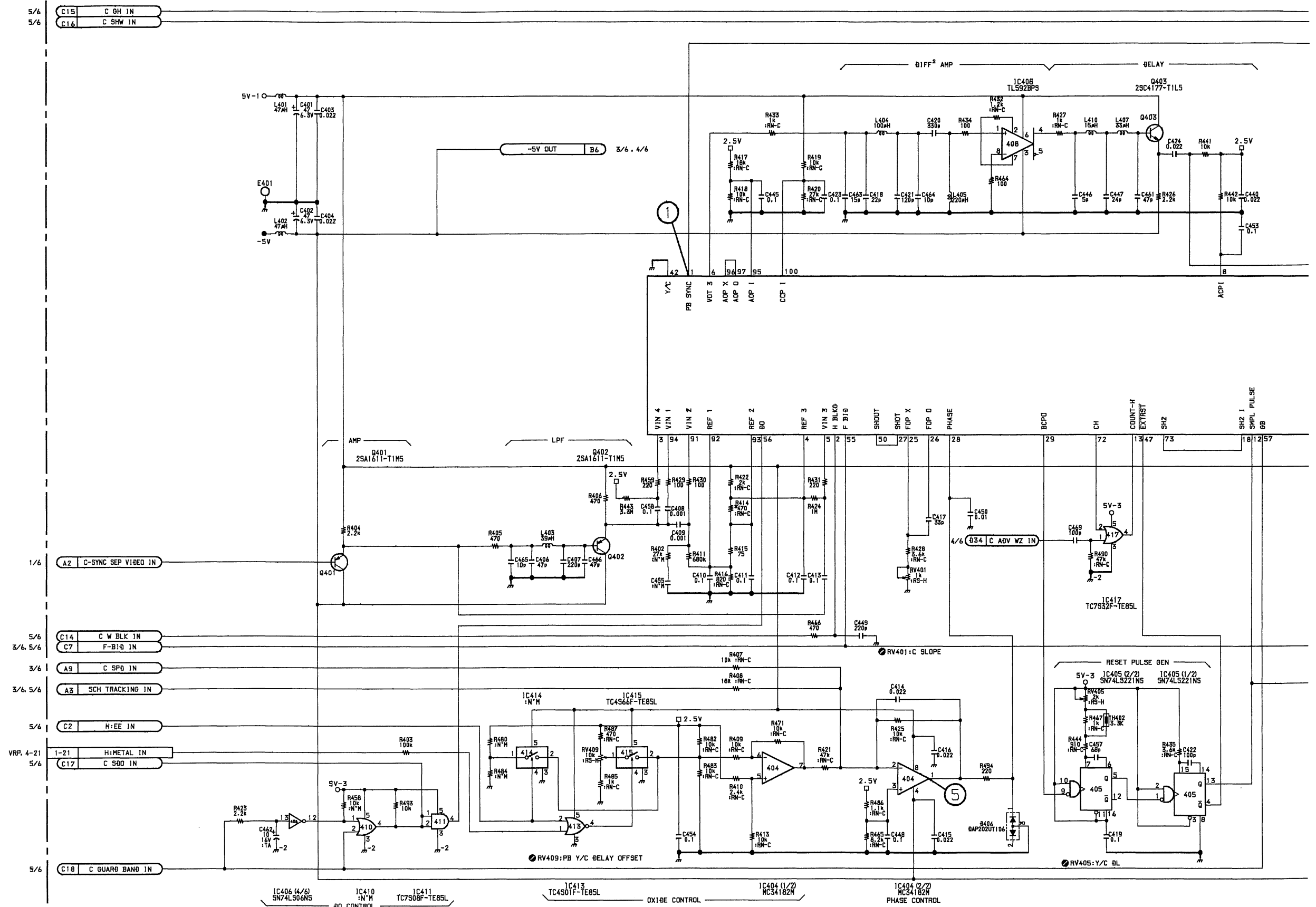


TRIG: CH-1



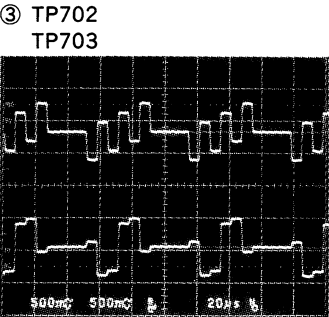
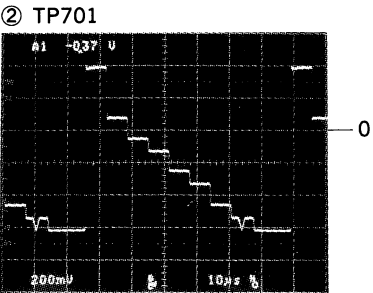
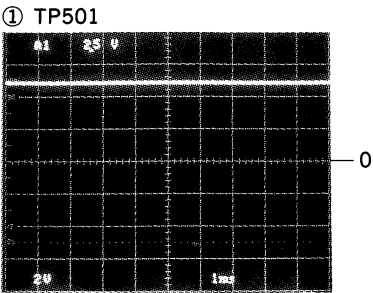
Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode
PB mode: (CR5-1B: color bars)

TBC-19 (4/6); CHROMA WRITE CLOCK GENERATOR





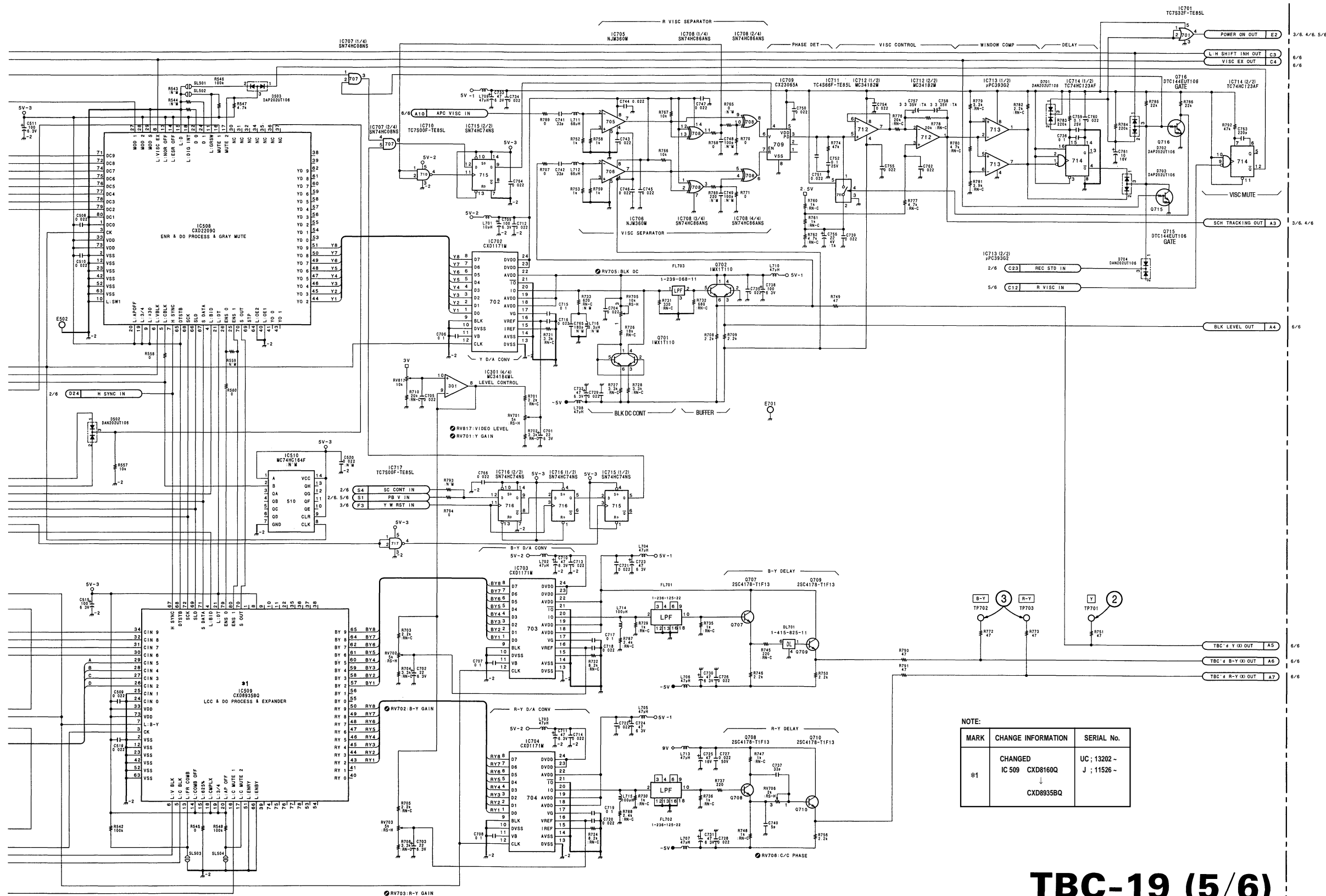
P

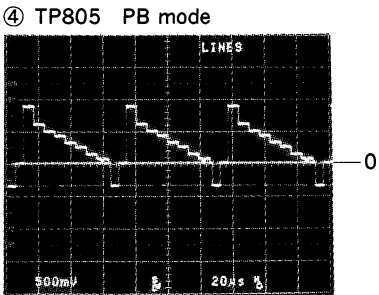
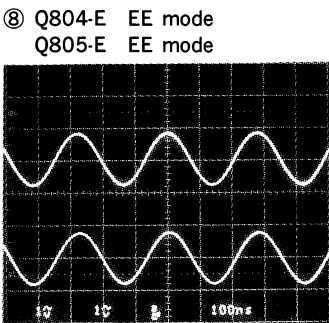
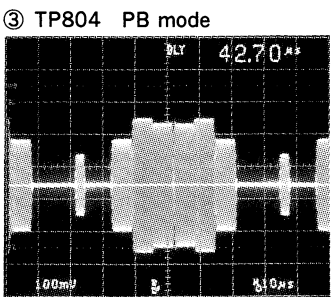
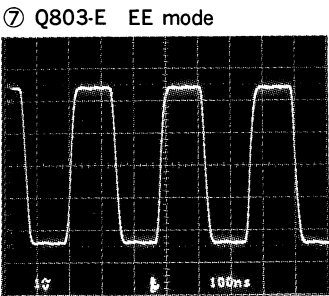
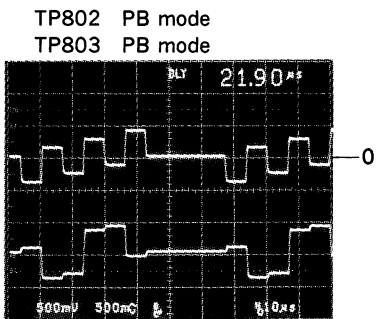
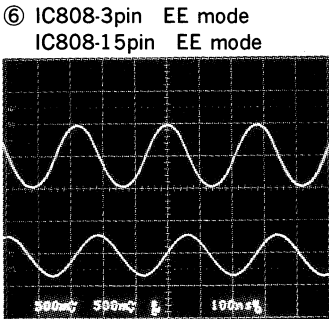
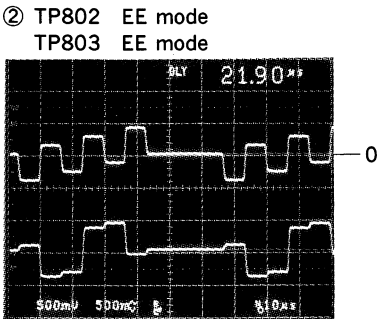
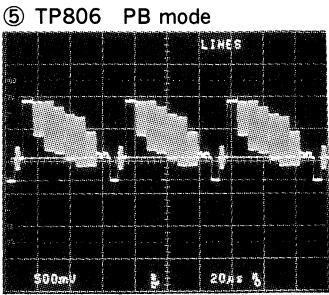
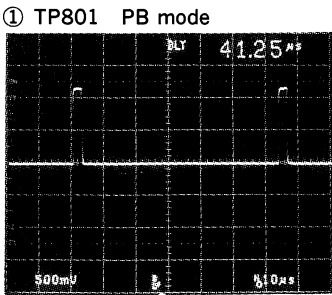


Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
PB mode: (CR5-1B: color bars)

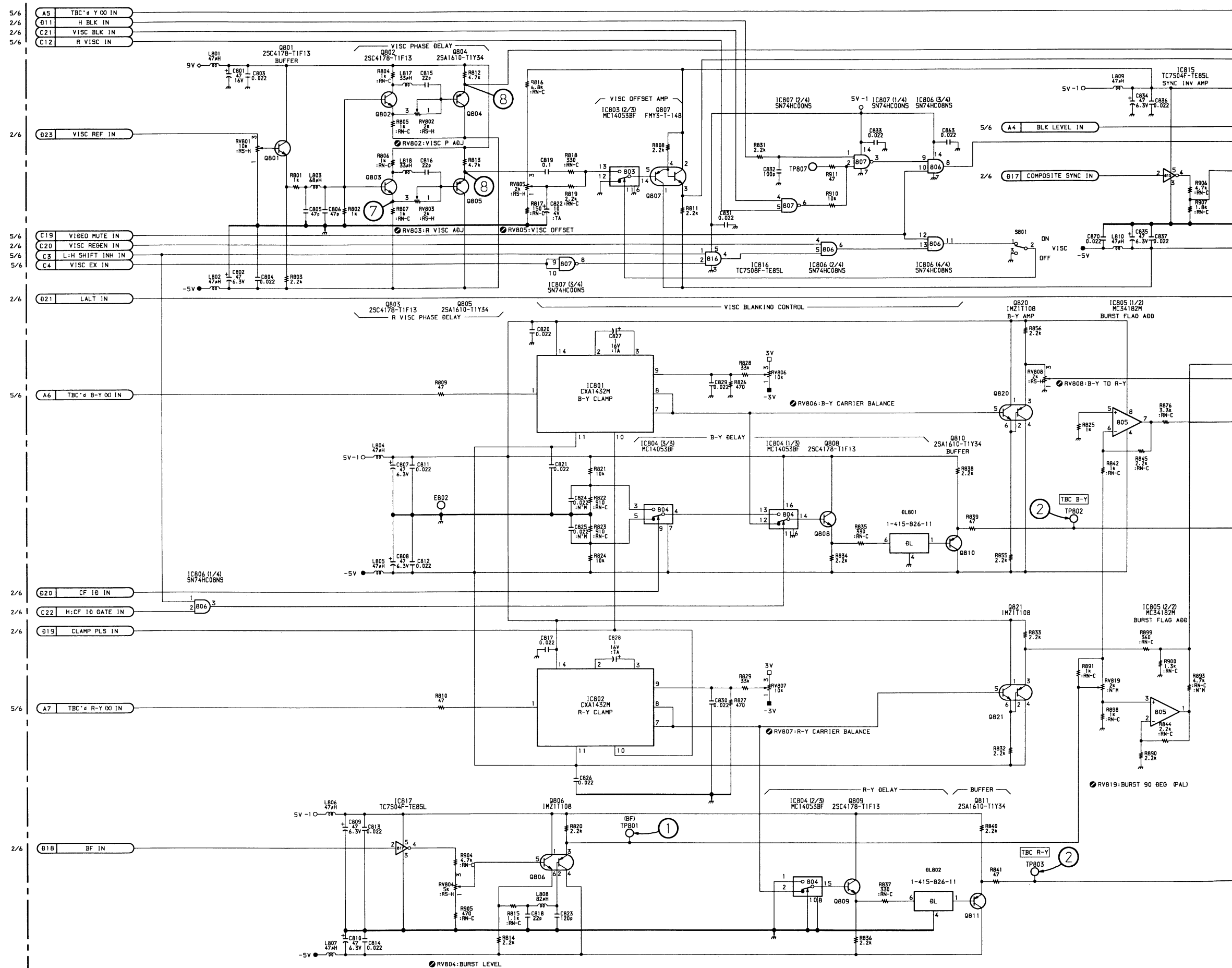
TBC-19 (5/6); TIME BASE CORRECTOR

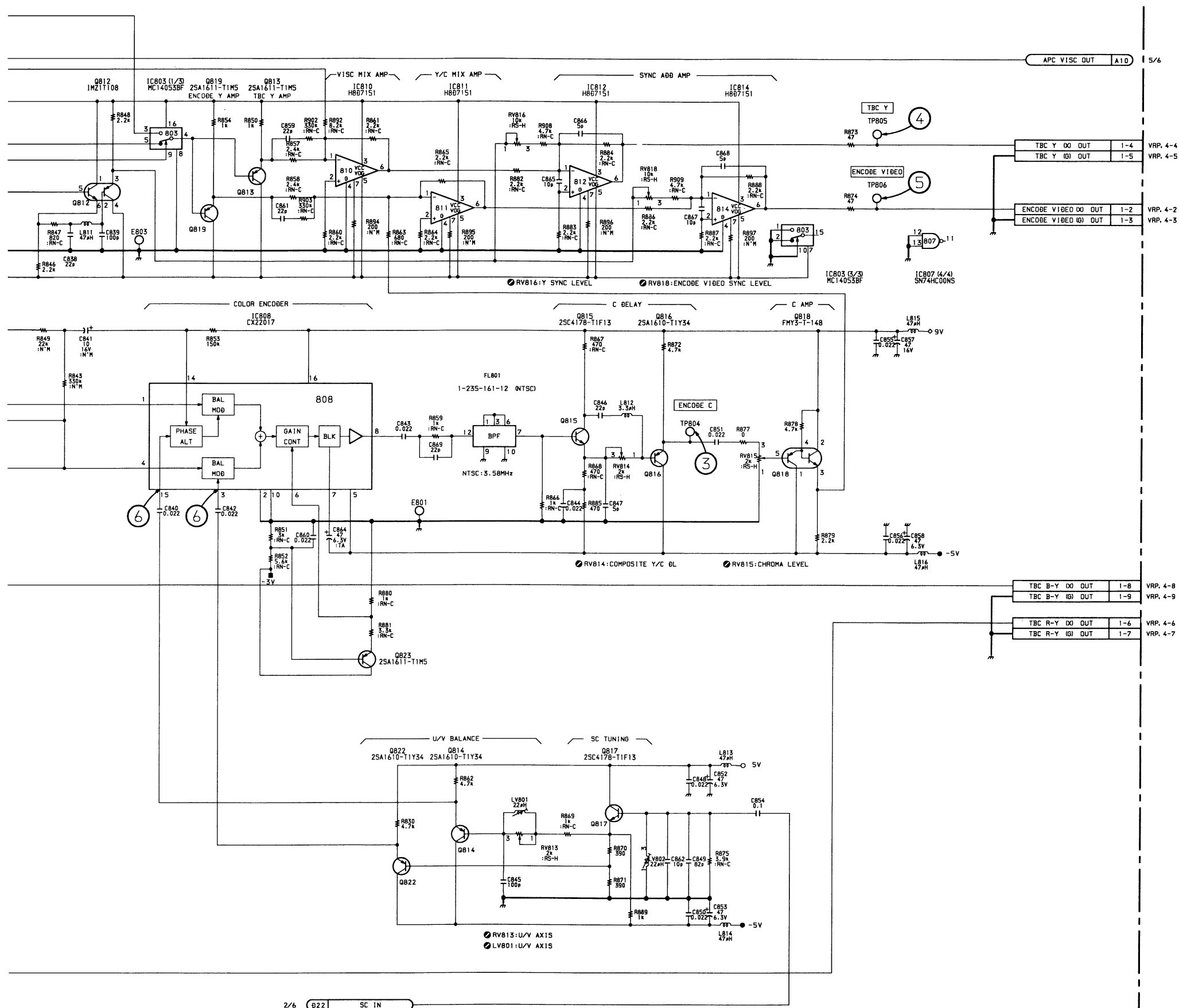
BVW-50

**TBC-19 (5/6)**1-638-691-15, 16 (2)
BVW-50



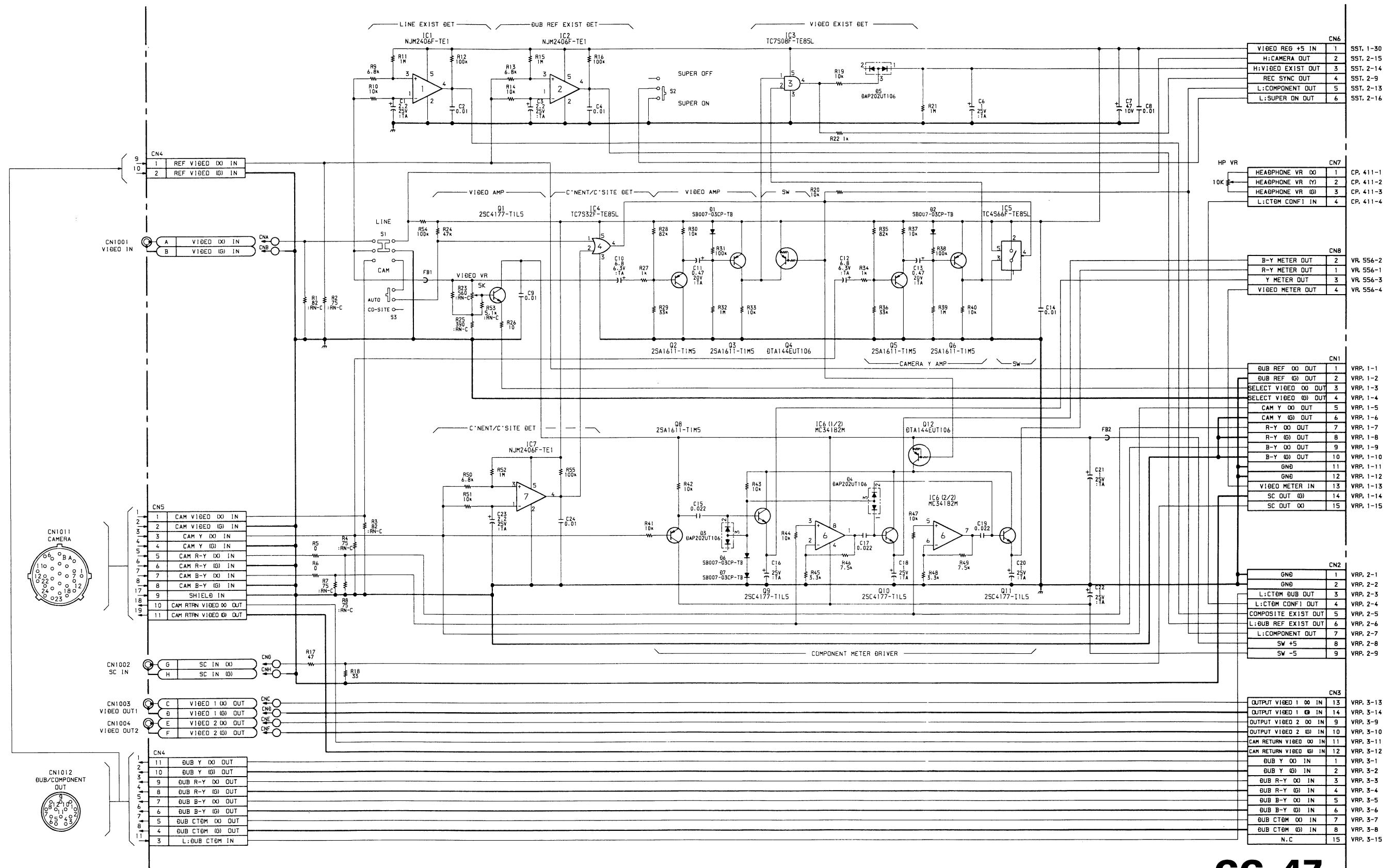
Measurement Condition
VIDEO IN: 75% color bars
MODE SW: PB/EE
EE mode
PB mode: (CR5-1B: color bars)



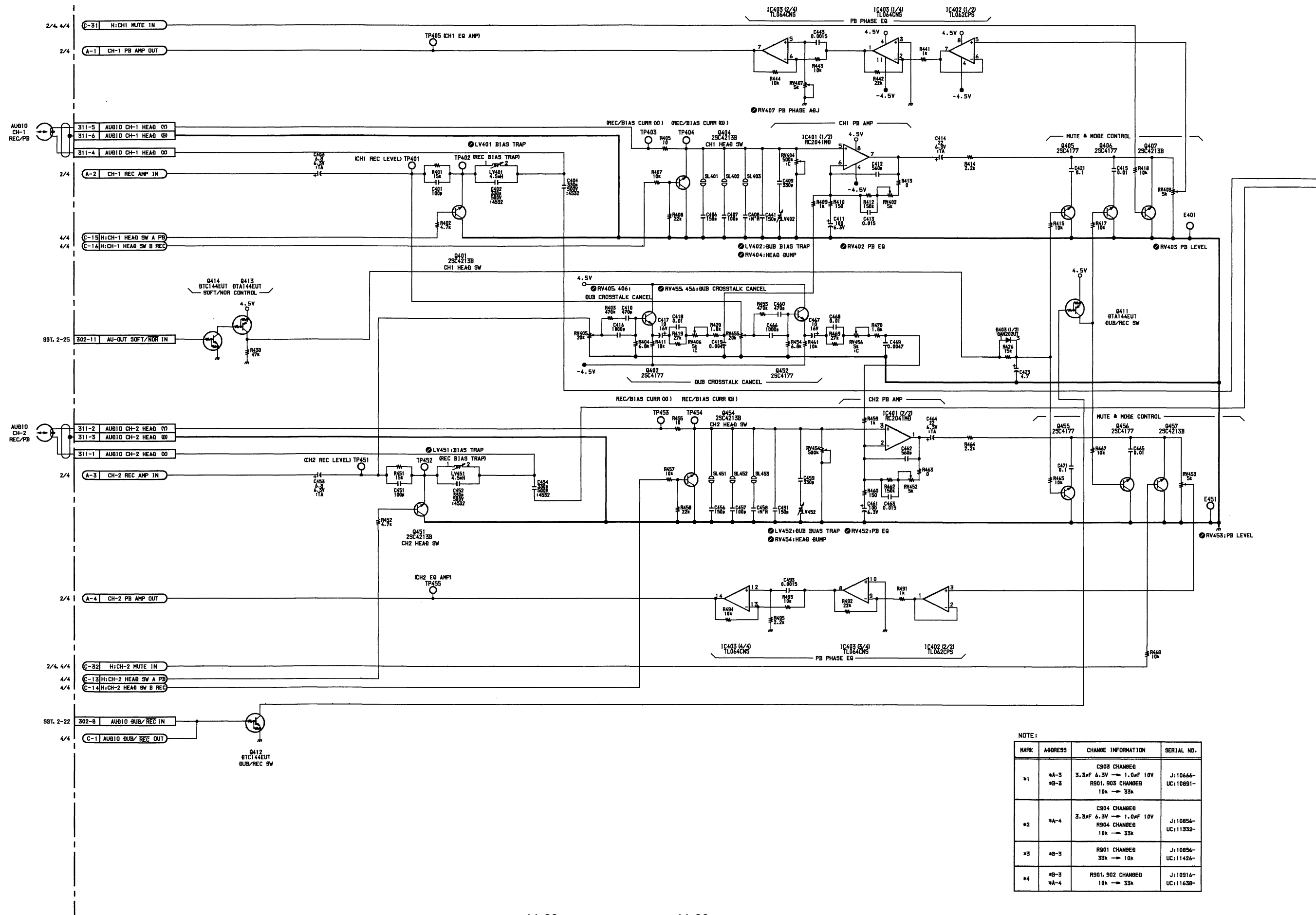


TBC-19 (6/6)

1-638-691-15, 16 (1)
BVW-50

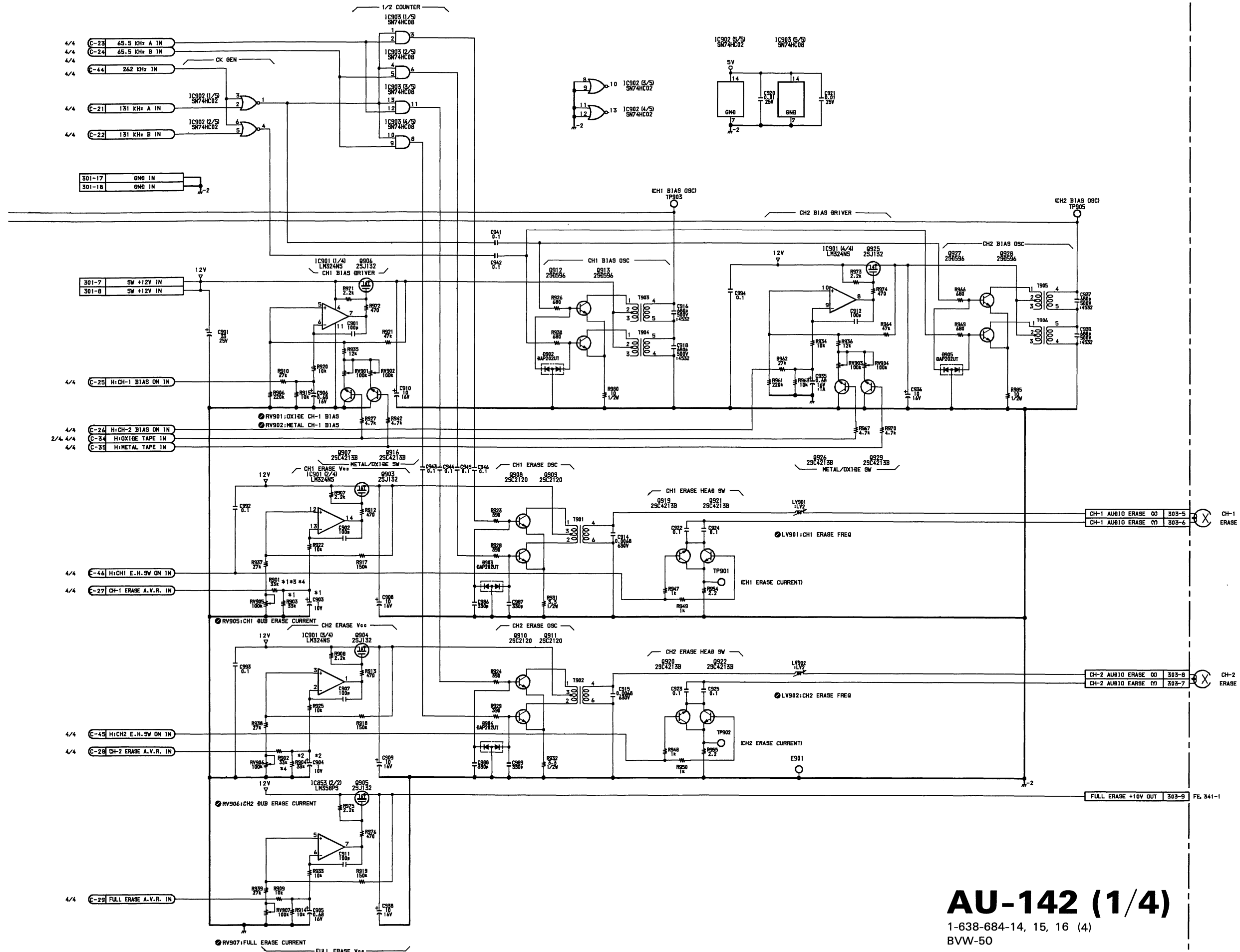
CC-47; VIDEO INPUT/SELECTOR
VIDEO METER DRIVER**CC-47**1-638-695-14 (1)
BVW-50

AU-142 (1/4); AUDIO PB AMPLIFIER
AUDIO ERASE/BIAS OSCILLATOR



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	*A-3 *B-3	C903 CHANGED 3.3 μ F 6.3V \rightarrow 1.0 μ F 10V R901, 903 CHANGED 10k \rightarrow 33k	J10666- UC10891-
*2	*A-4	C904 CHANGED 3.3 μ F 6.3V \rightarrow 1.0 μ F 10V R904 CHANGED 10k \rightarrow 33k	J10854- UC11332-
*3	*B-3	R901 CHANGED 33k \rightarrow 10k	J10854- UC11426-
*4	*B-3 *A-4	R901, 902 CHANGED 10k \rightarrow 33k	J10916- UC11638-



AU-142 (1/4)

1-638-684-14, 15, 16 (4)
BVW-50

AU-142 (2/4); AUDIO REC AMPLIFIER
NOISE REDUCTION
AUDIO CONF PB AMPLIFIER

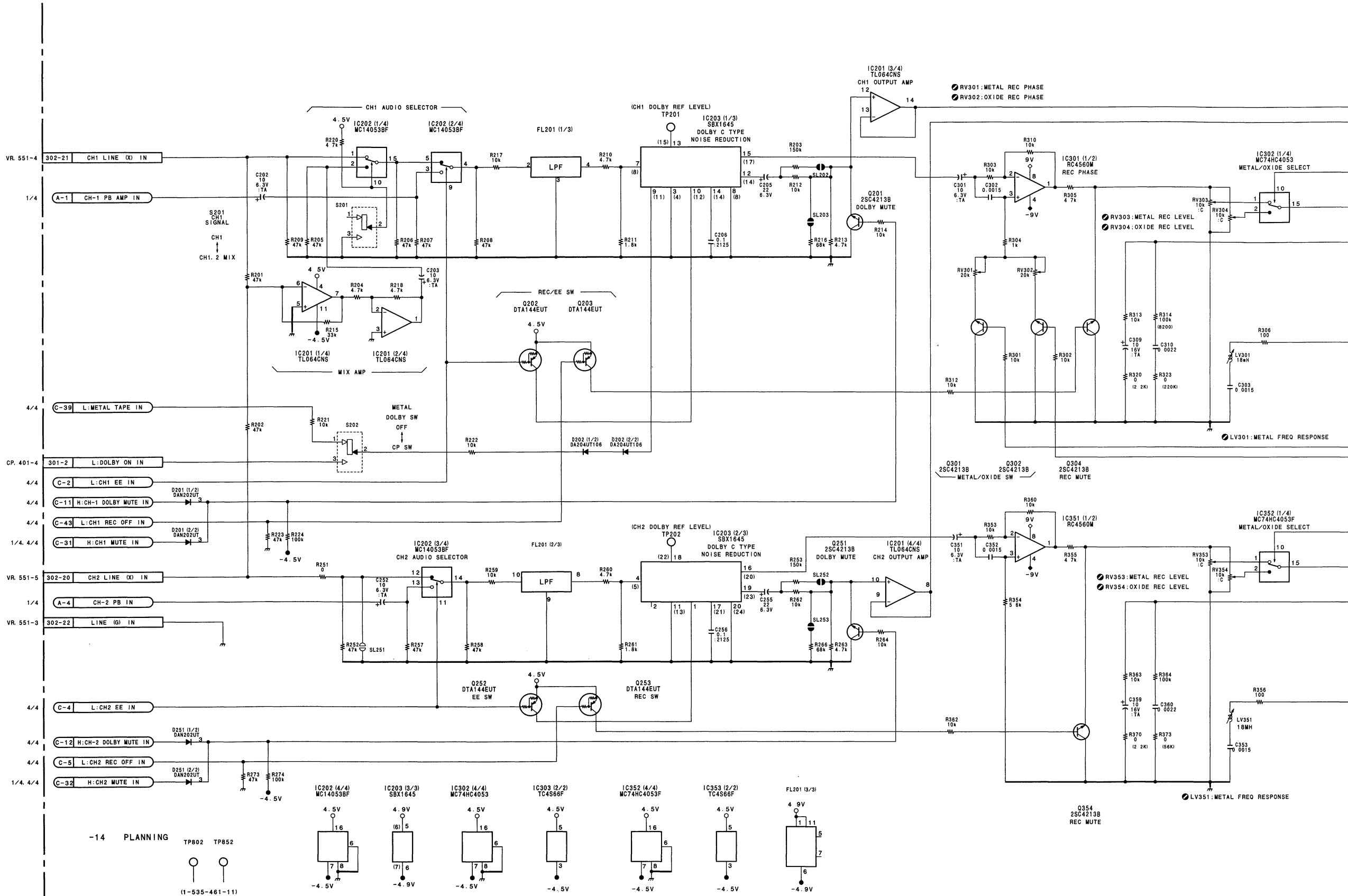
1

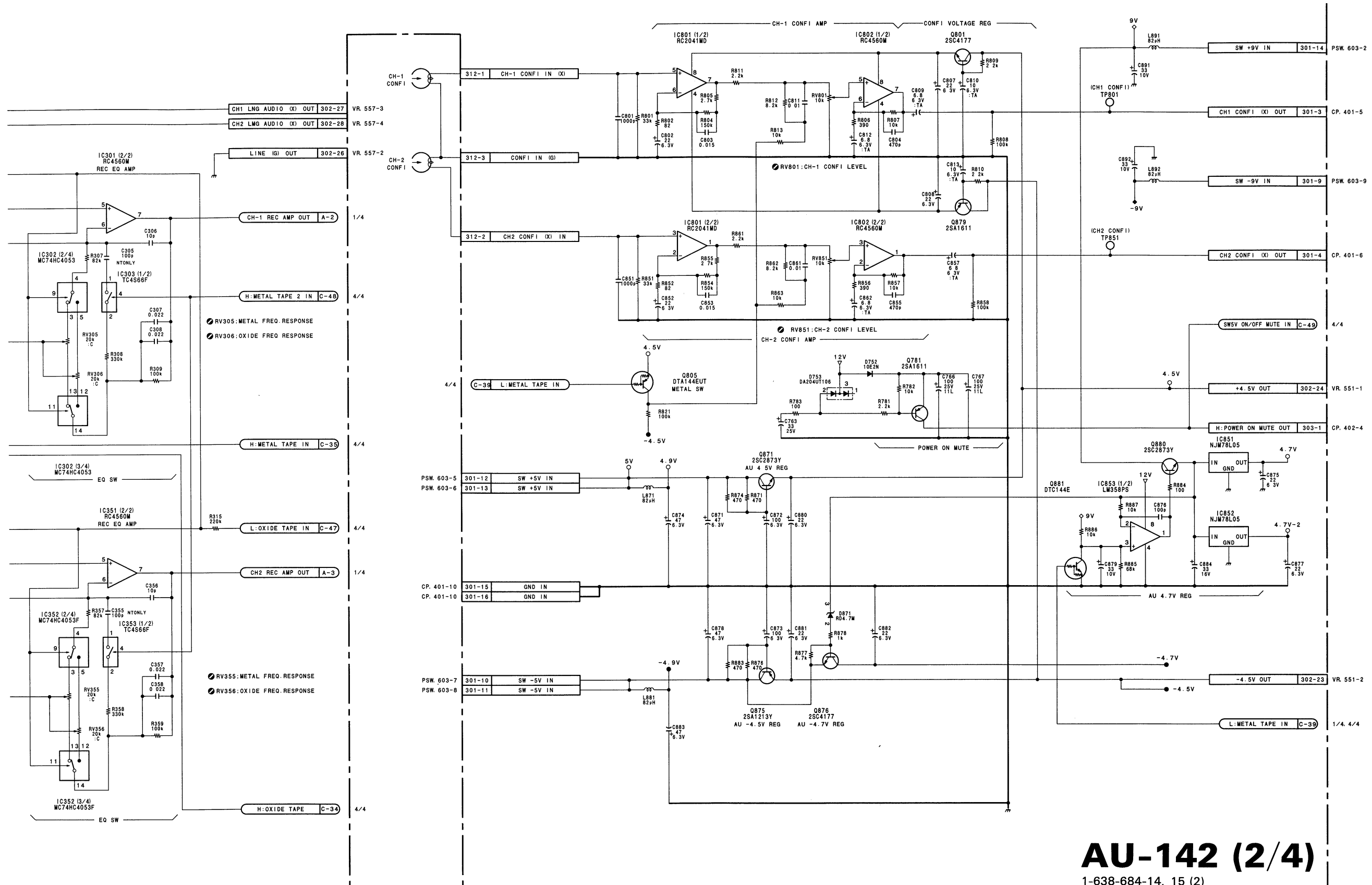
2

3

4

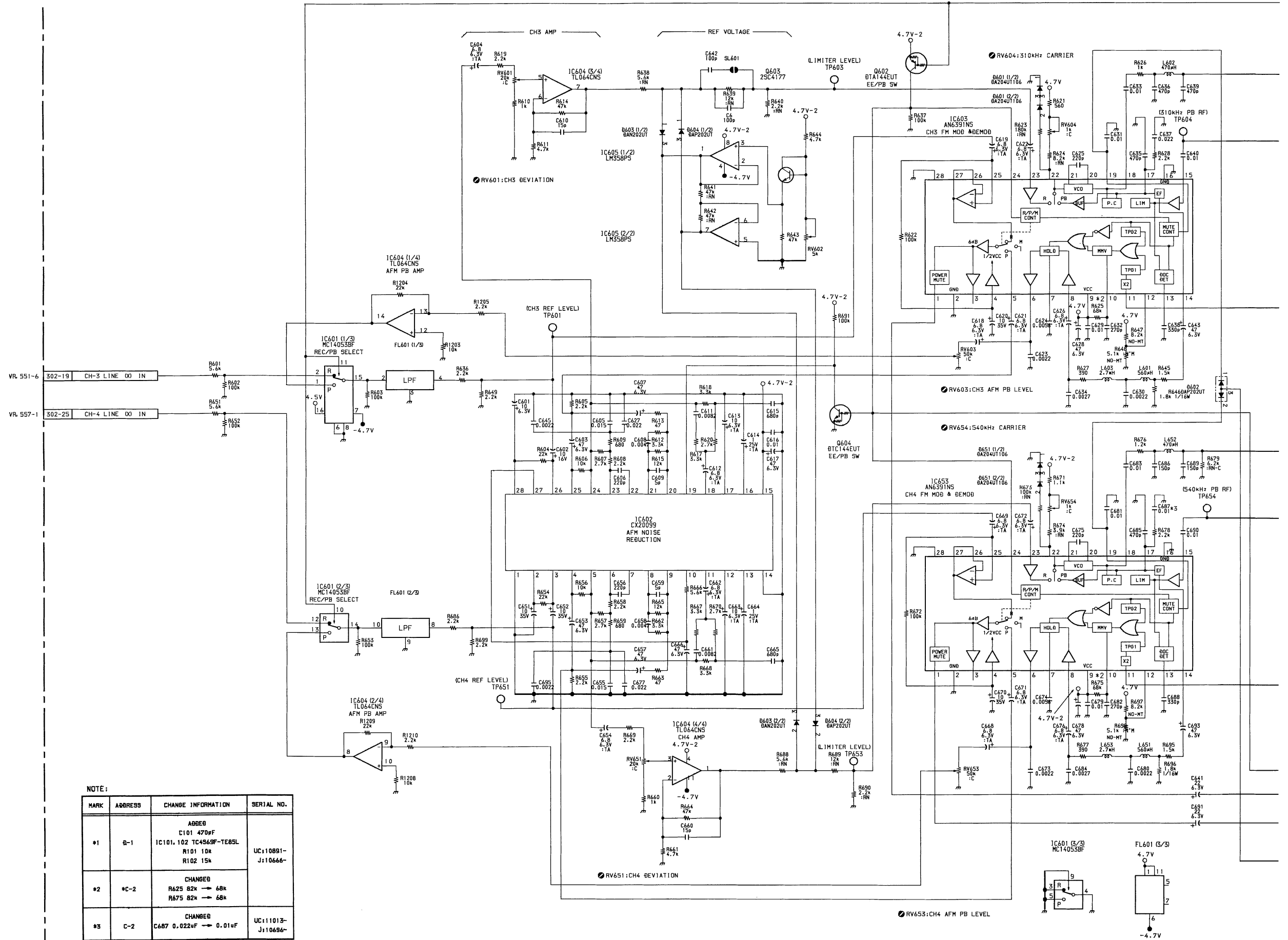
5

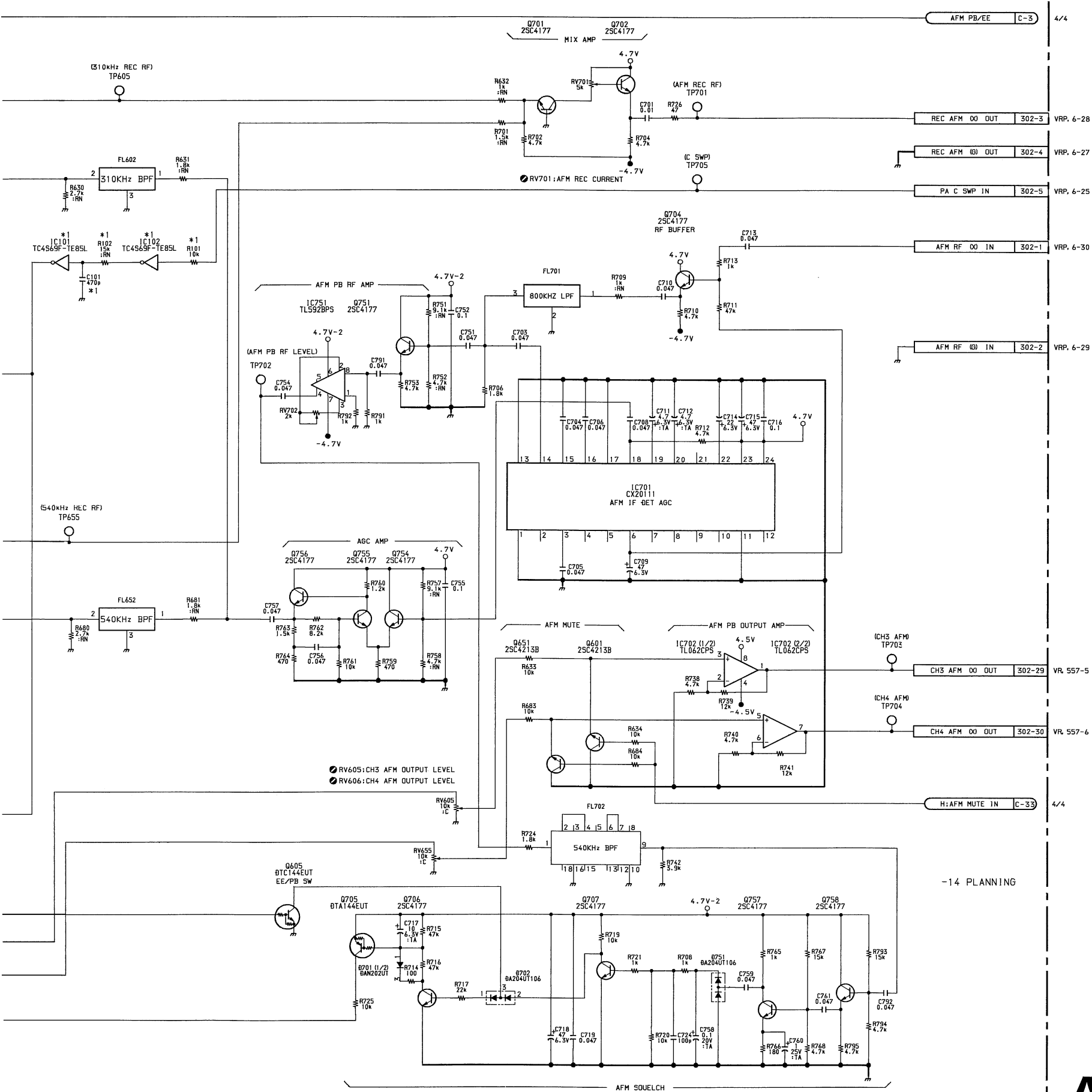




AU-142 (2/4)

1-638-684-14, 15 (2)
BVW-50

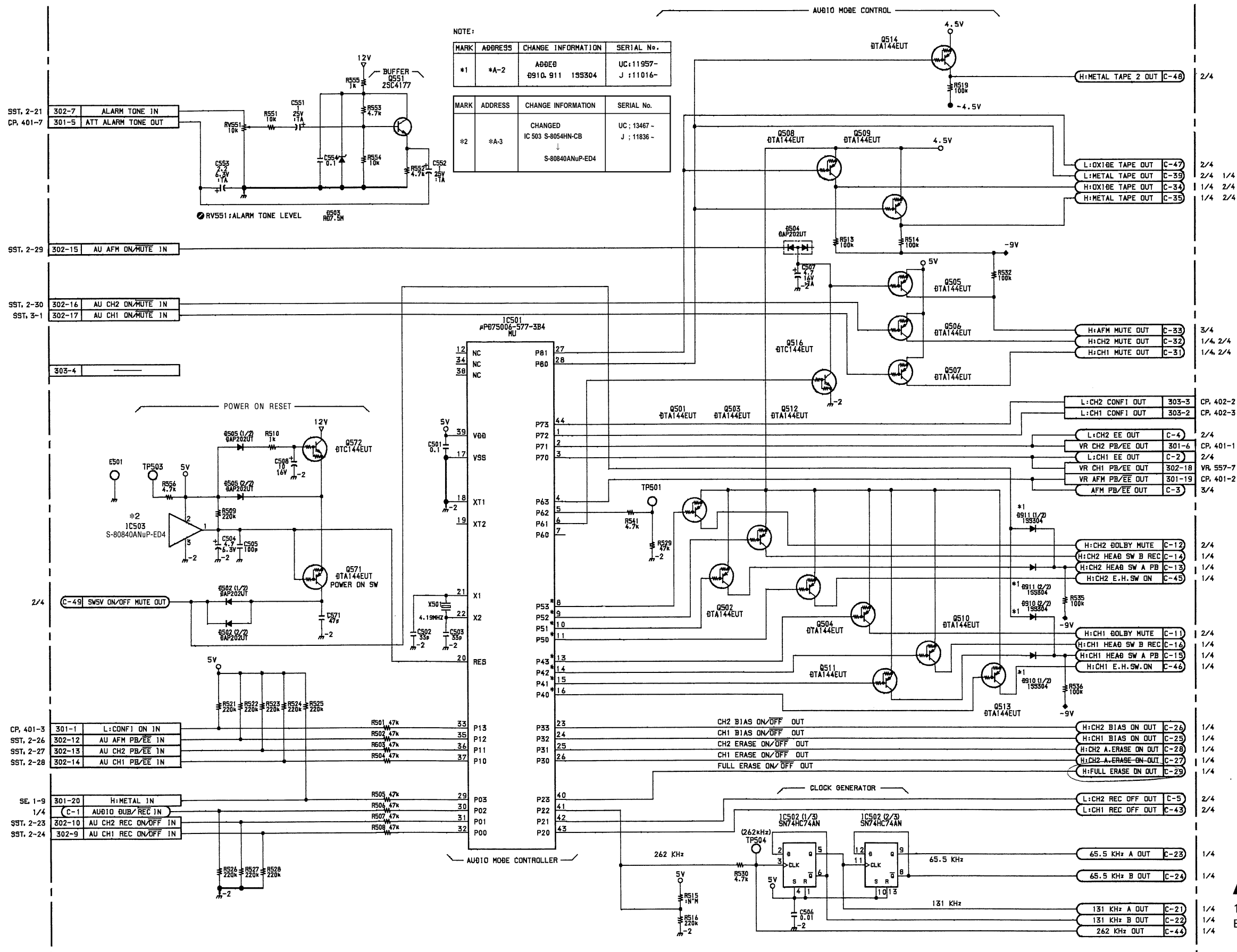




AU-142 (3/4)

1-638-684-14, 15, 16 (3)
BVW-50

AU-142 (4/4); AUDIO MODE CONTROL

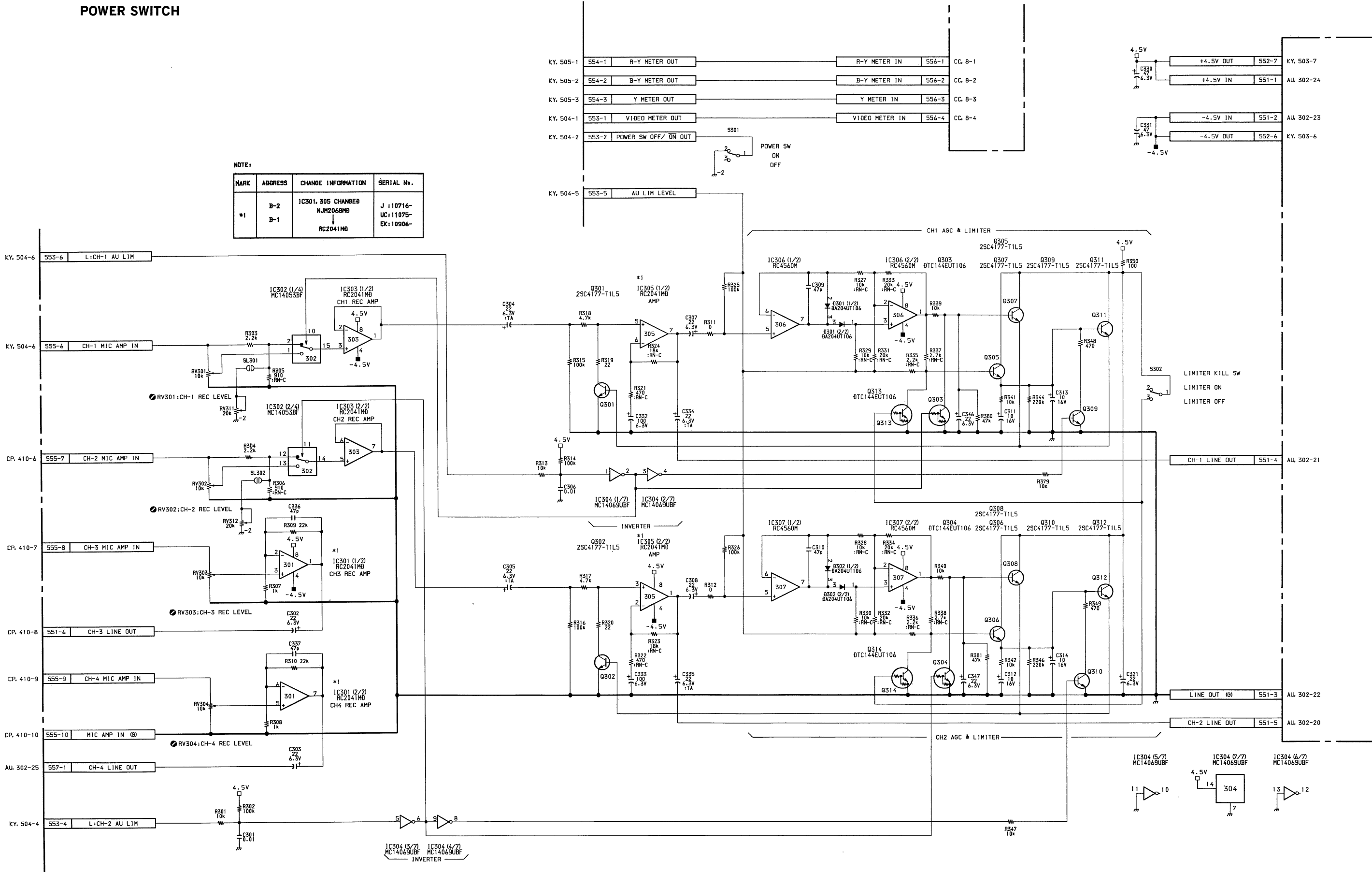


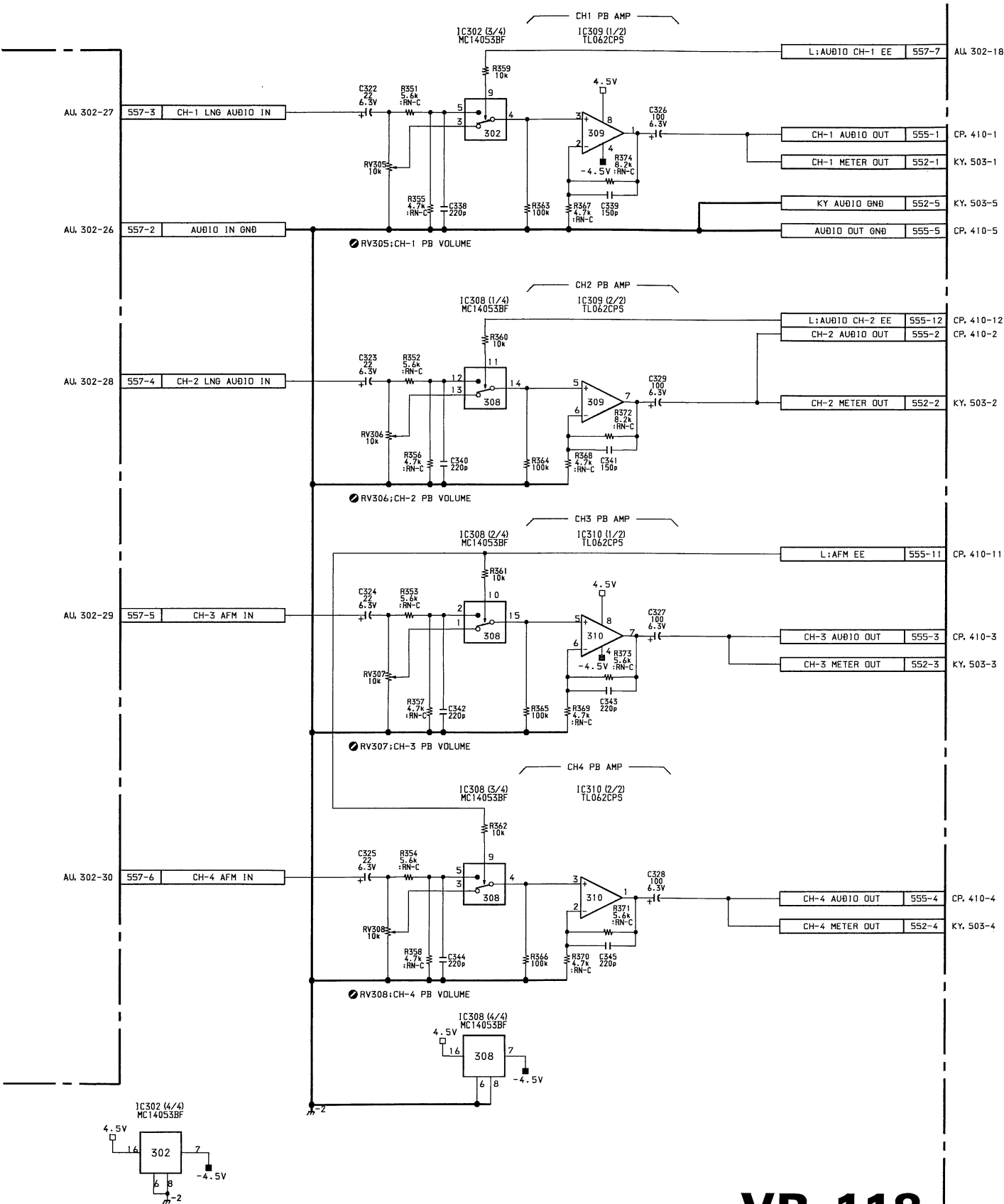
AU-142 (4/4)
1-638-684-14, 15 (2)
BVW-50

VR-118; AUDIO REC/PB LEVEL CONTROL
AUDIO LEVEL LIMITER
POWER SWITCH

NOTE:

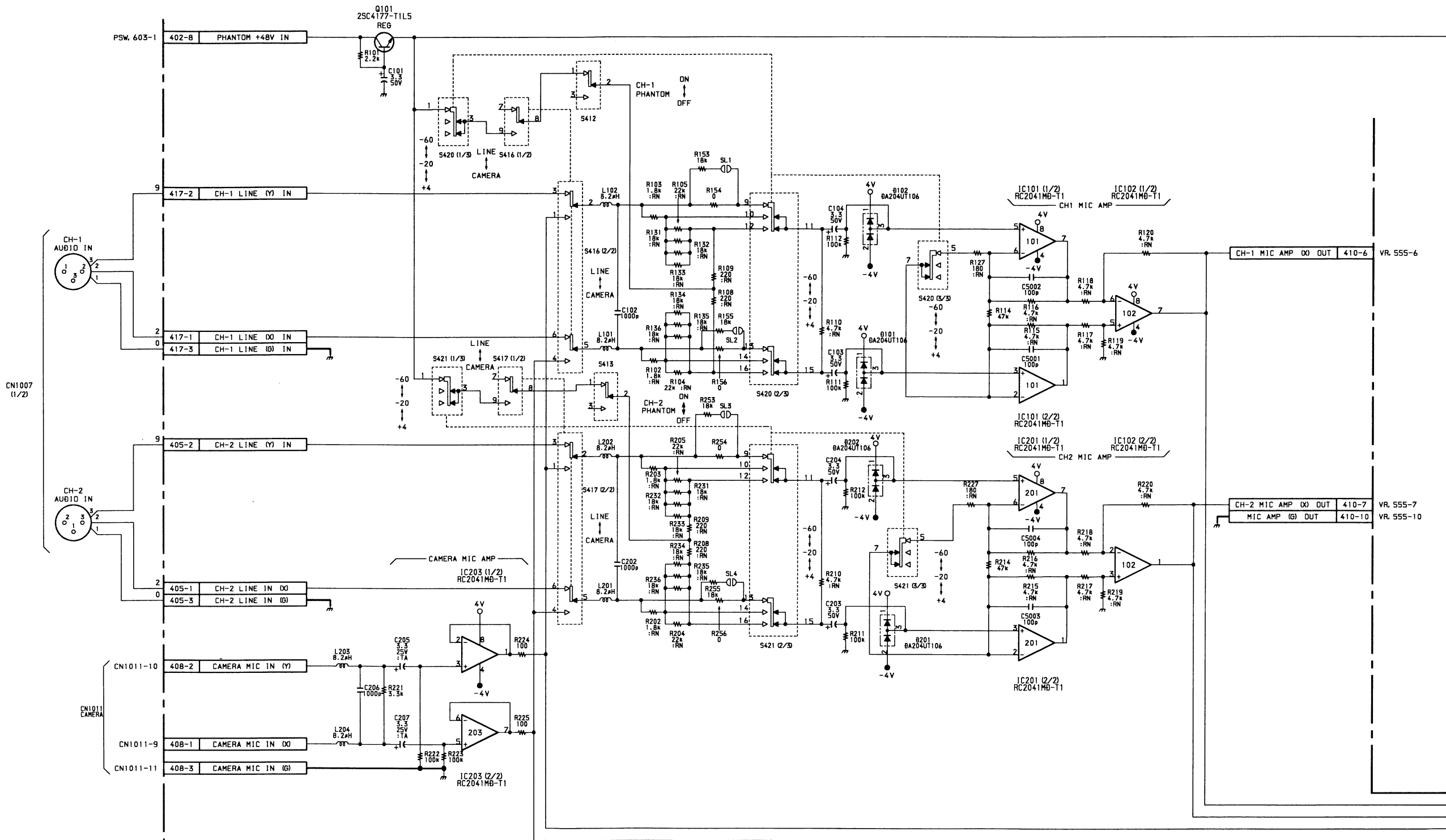
MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
*1	B-2 B-1	IC301, 305 CHANGED NJM206MB ↓ RC2041MB	J:10716- UC:11075- EK:10906-

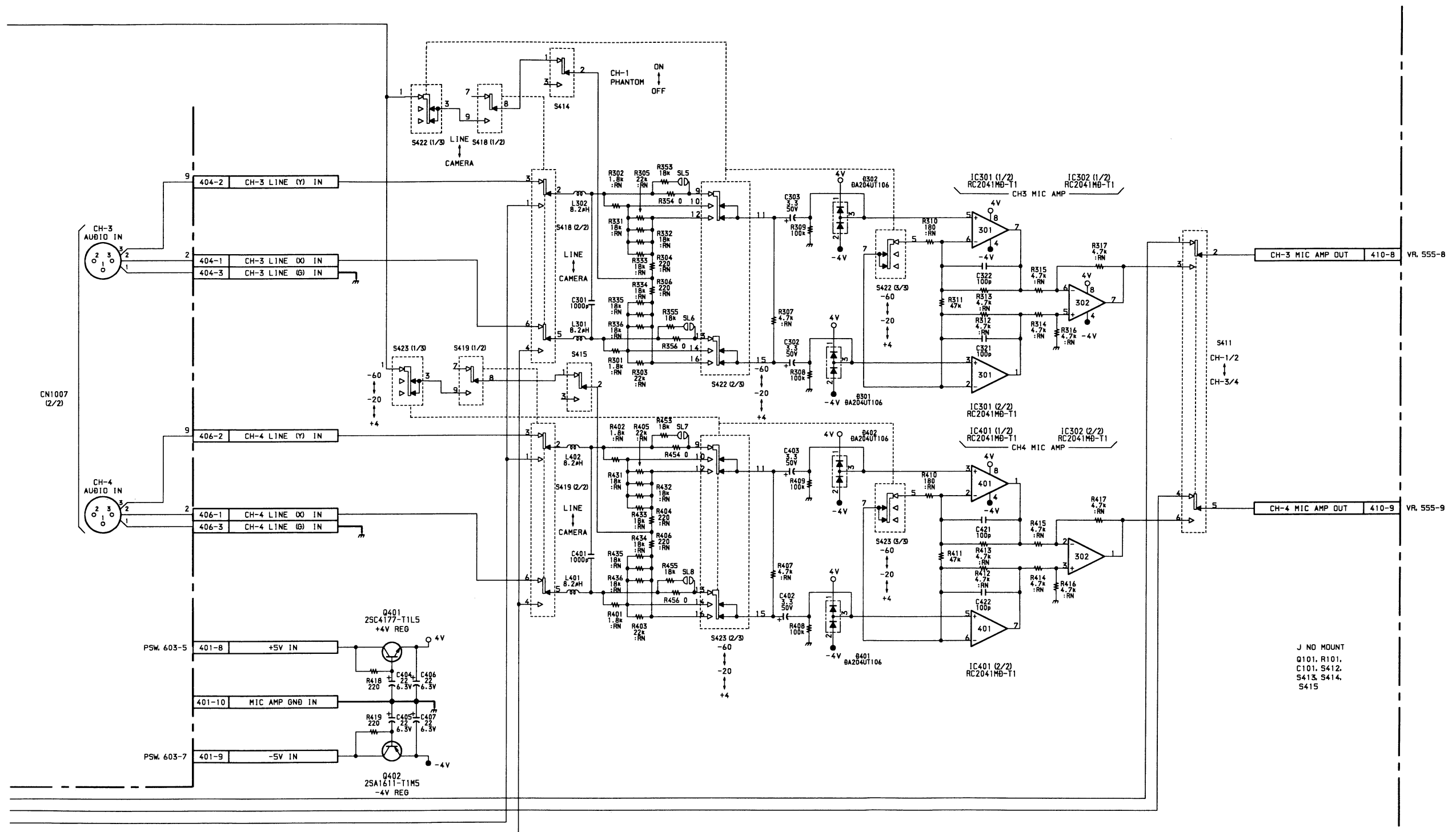




VR-118
1-638-692-14 (2)
BVW-50

CP-164/A (1/3); AUDIO INPUT AMPLIFIER/SELECTOR





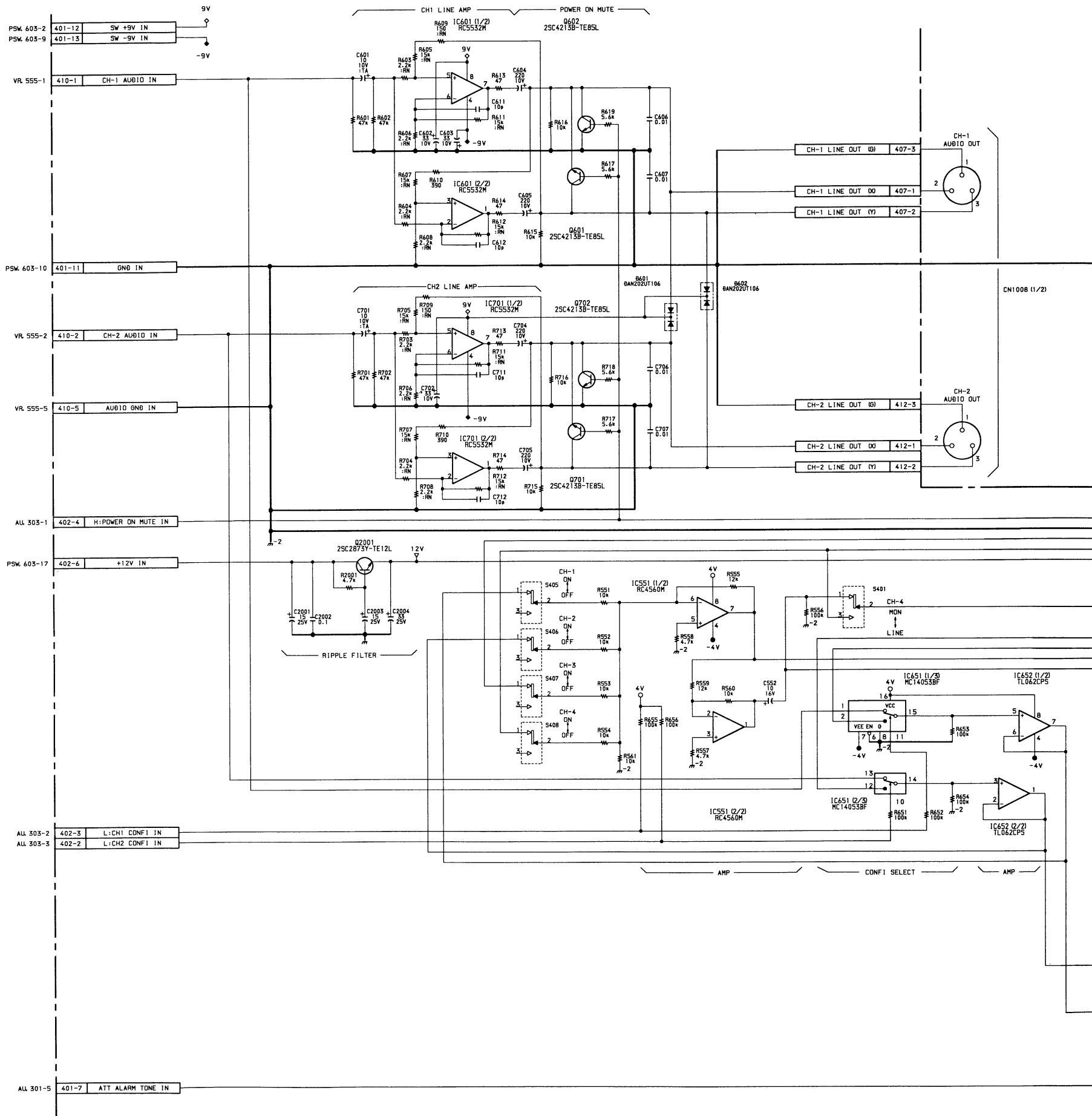
CP-164/A (1/3)

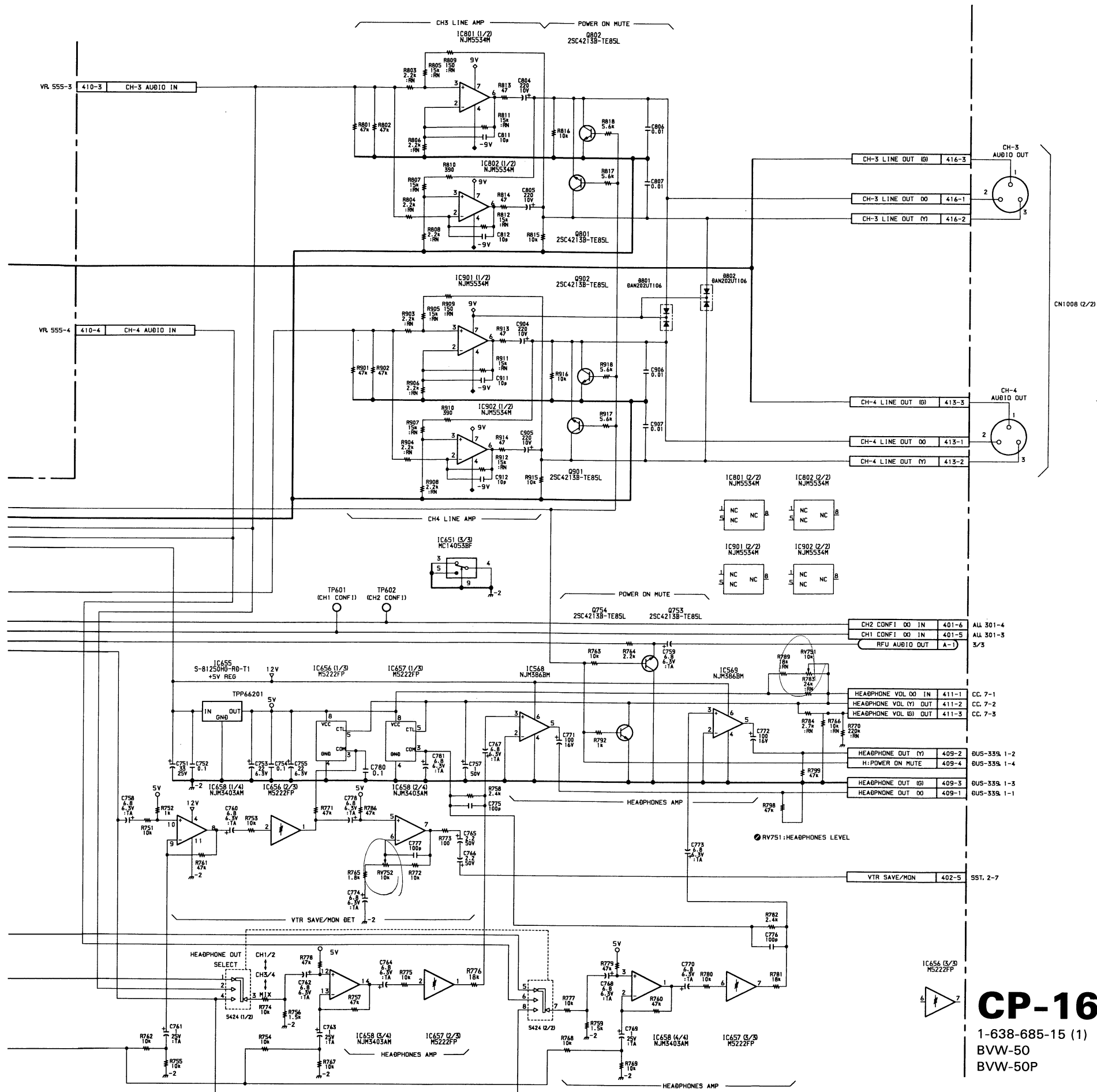
1-638-685-15 (1)

BVW-50

BVW-50P

CP-164/A (2/3); AUDIO OUTPUT AMPLIFIER
PHONES AMPLIFIER





CP-164/A (2/3)

1-638-685-15 (1)

BVW-50

BVW-50P

CP-164/A (3/3); REMOTE/RFU CONNECTOR
CONNECTOR PANEL SWITCHES

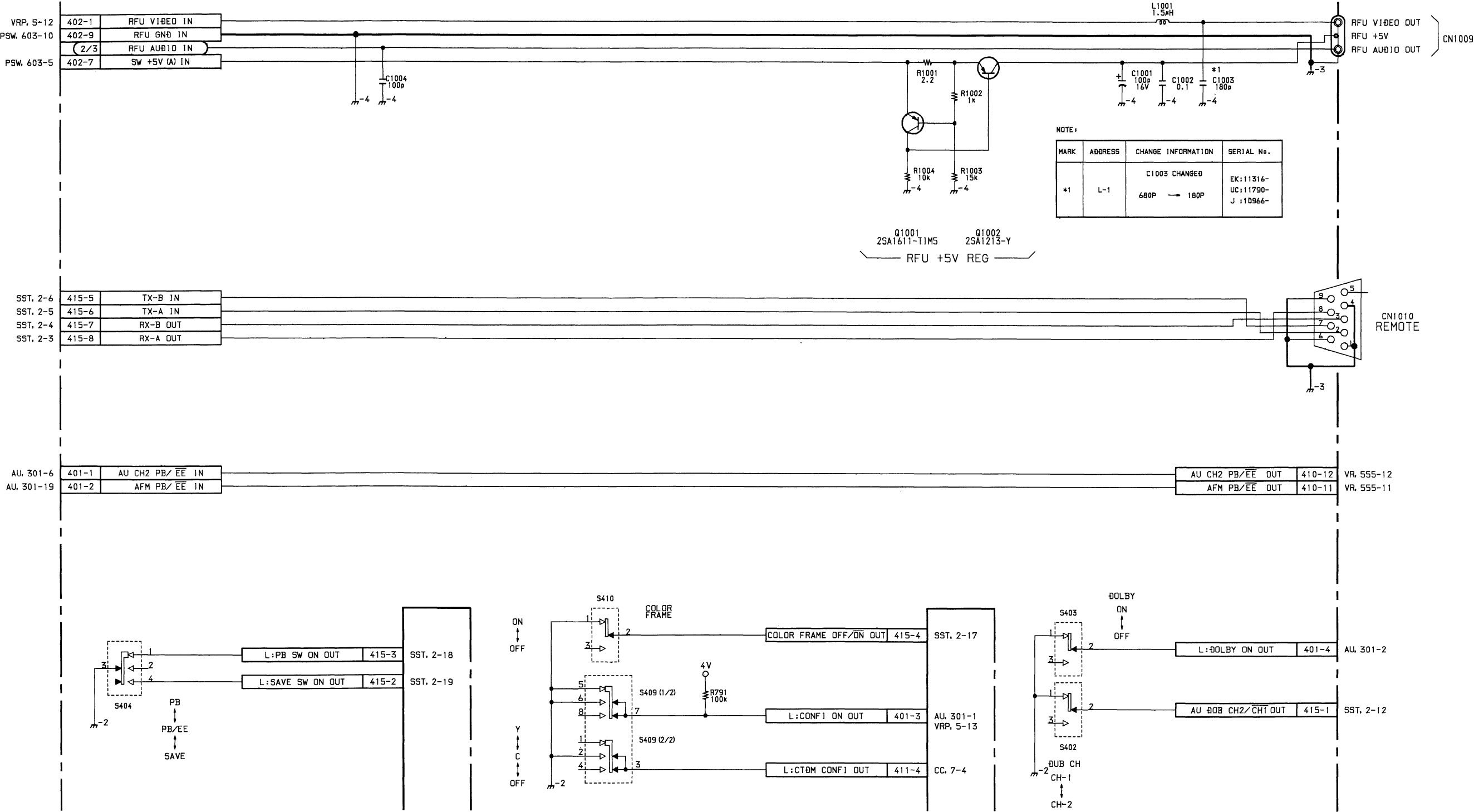
1

2

3

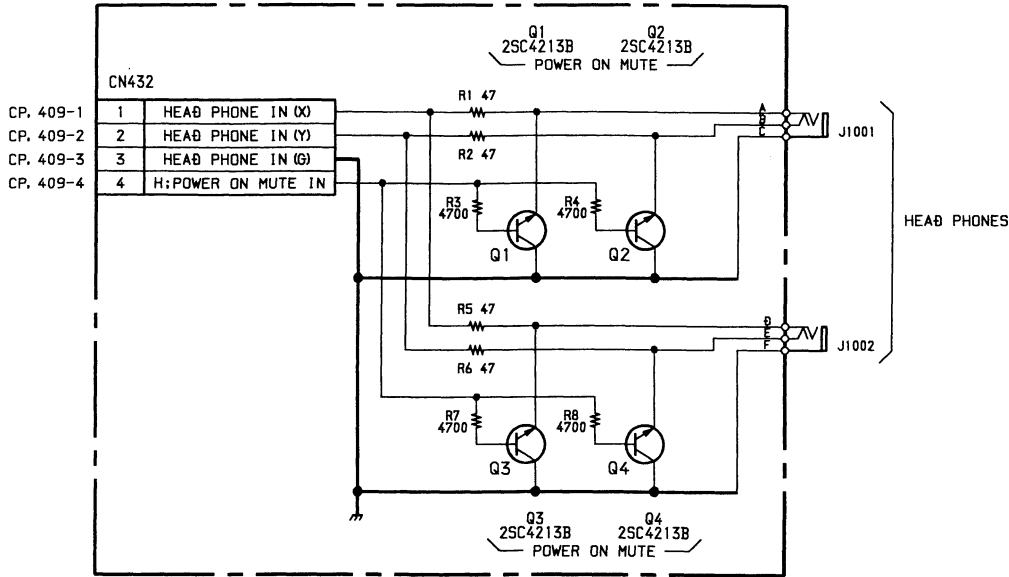
4

5



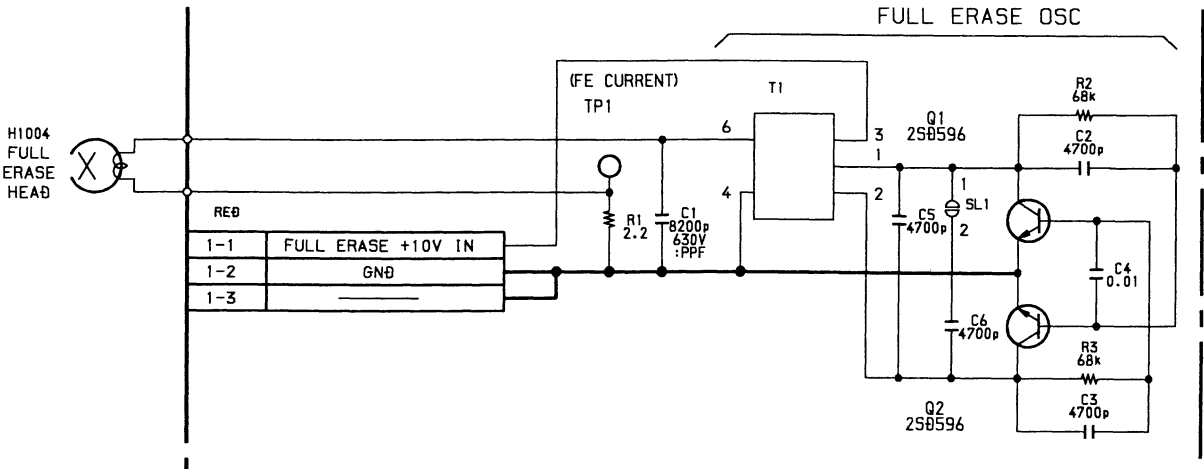
CP-164/A (3/3)
1-638-685-15 (2)
BVW-50

DUS-339; PHONES JACK
FE-11; FULL ERASE OSCILLATOR



DUS-339

1-638-694-13 (1)
BVW-50

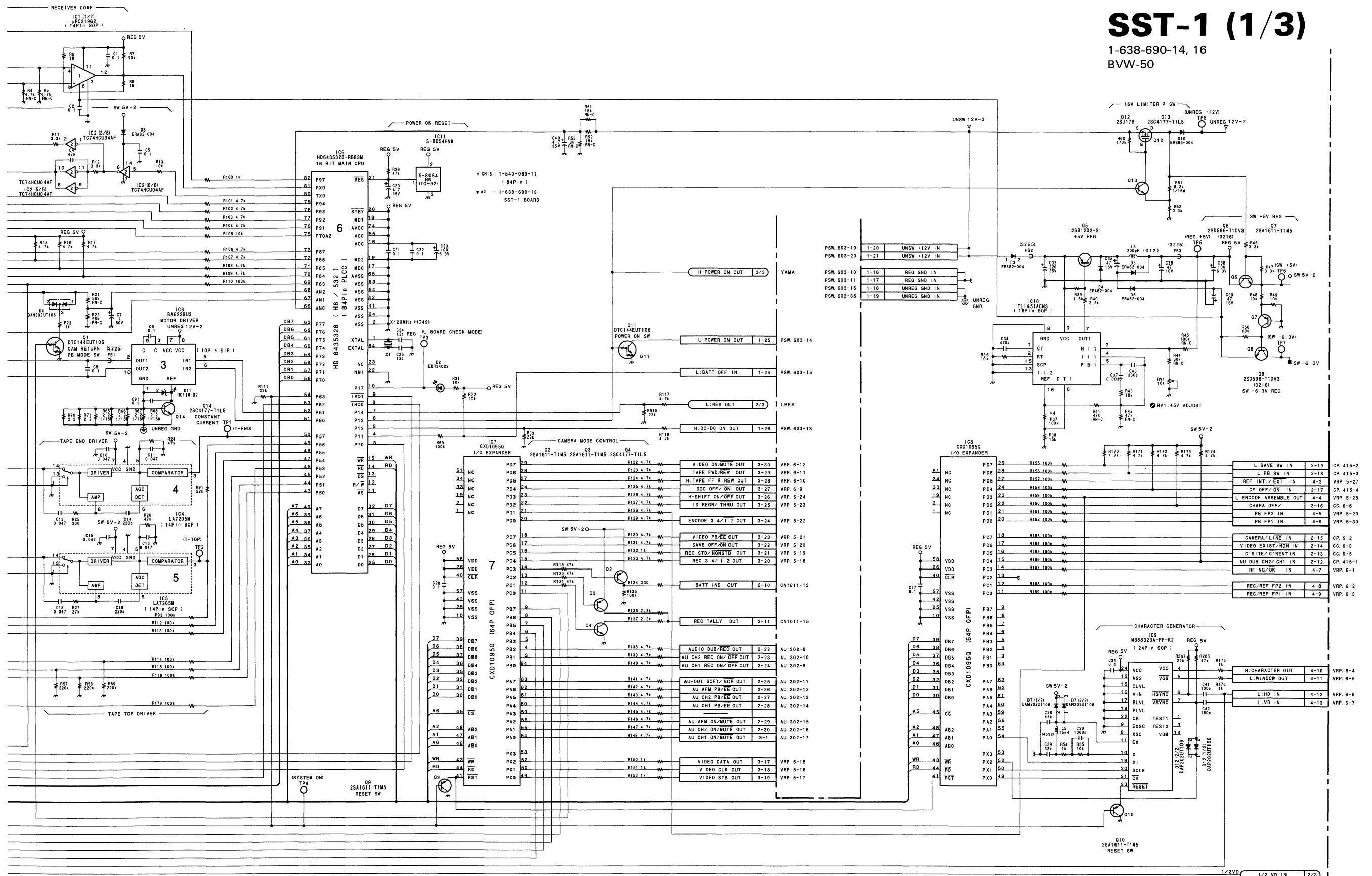


FE-11

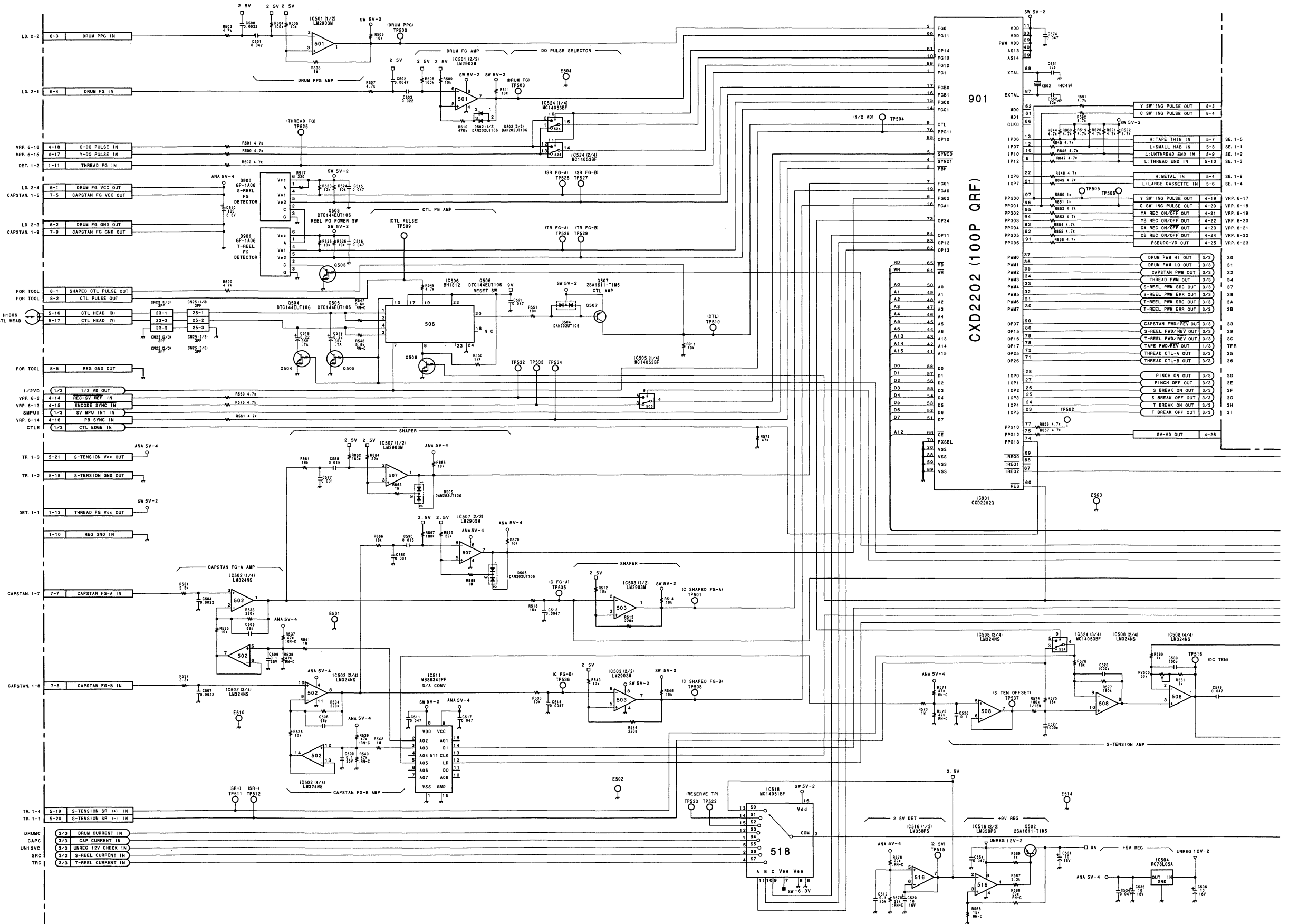
1-638-696-13 (1)
BVW-50

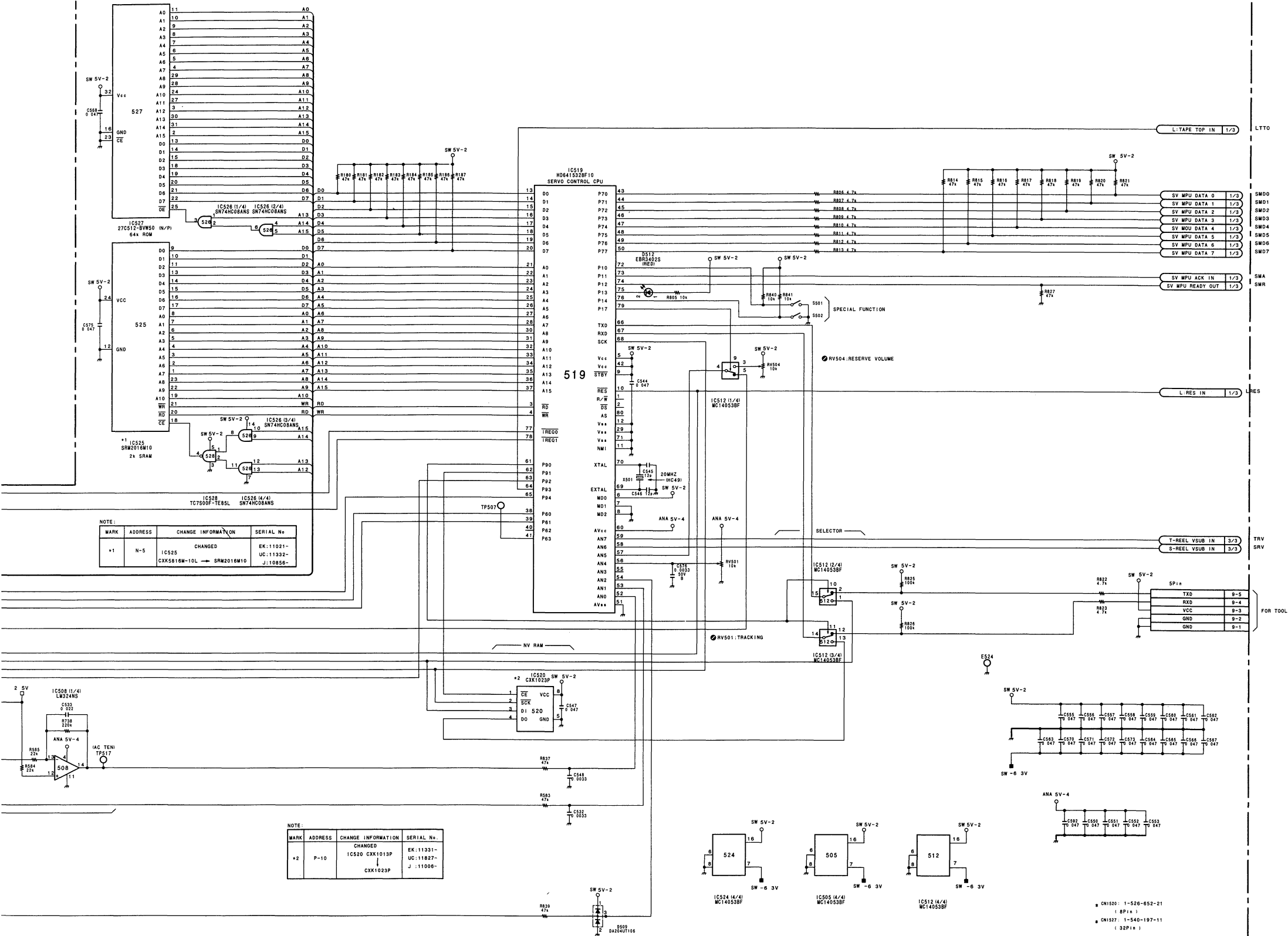


SST-1 (1/3)

1-638-690-14, 16
BVW-50

SST-1 (2/3); DRUM/CAPSTAN/REEL SERVO

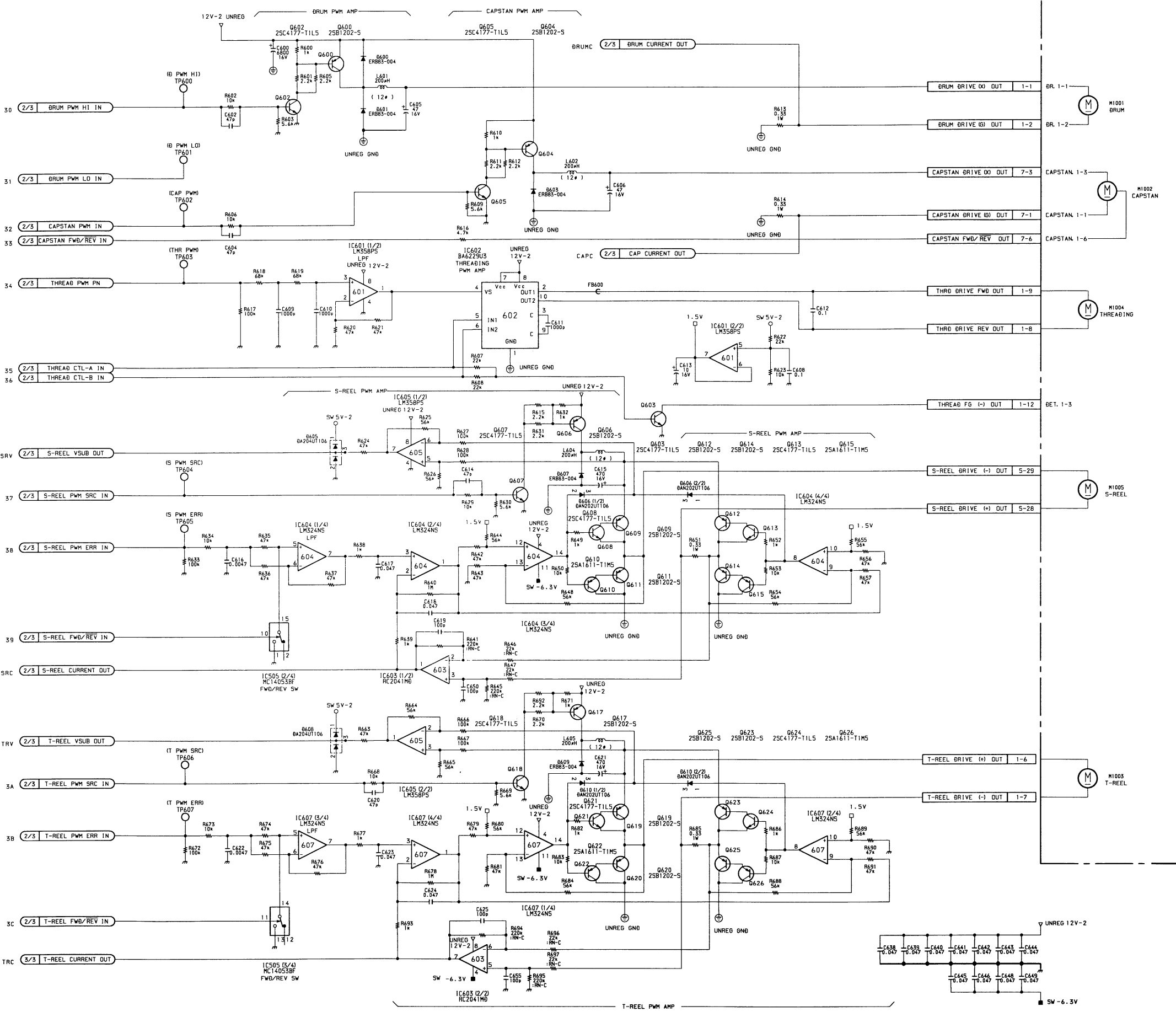




SST-1 (2/3)

1-638-690-14, 16
BVW-50

SST-1 (3/3); MOTOR/SOLENOID DRIVER



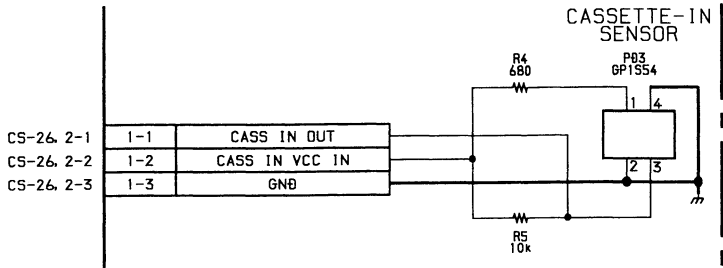


MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
*1	A-2 A-3 B-2 B-3 B-2 B-3	CHANGED Q629, 631, 633, 635, 637, 639 2SK738 ↓ 2SK2415	UC ; 13587 ~ J ; 11856 ~

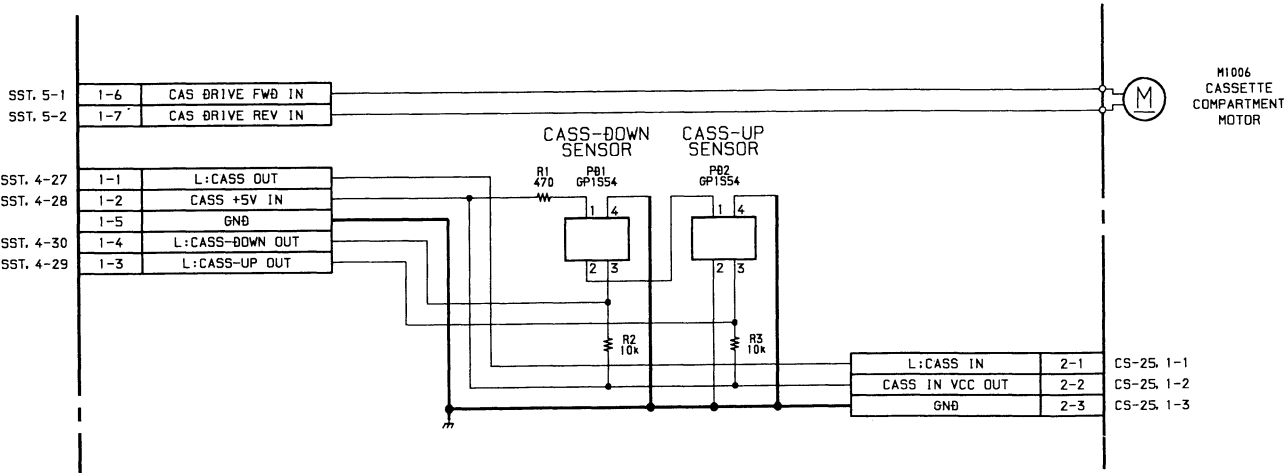


1-638-690-14, 16
BVW-50

CS-25; CASSETTE IN DETECTOR
CS-26; CASSETTE UP/DOWN DETECTOR

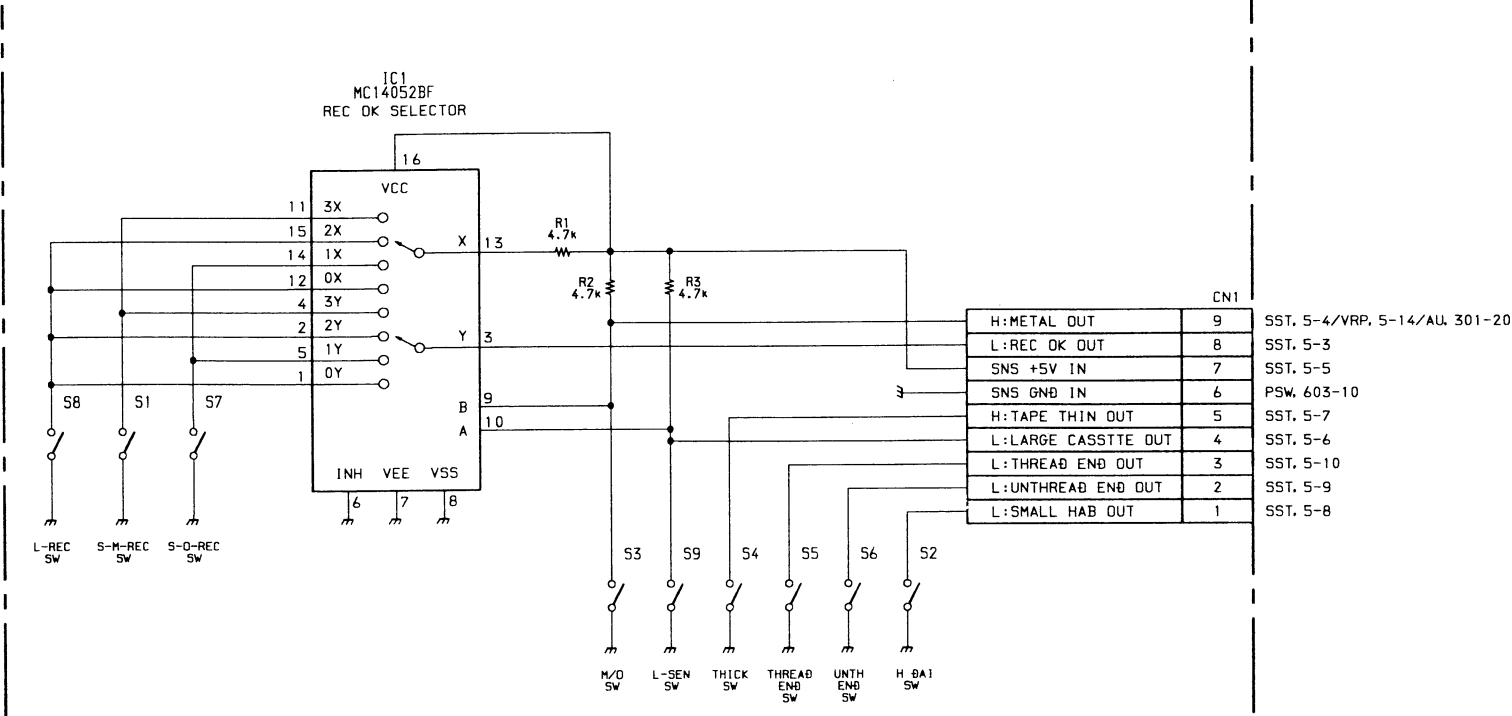


CS-25
1-638-701-12 (1)
BVW-50



CS-26
1-638-702-11 (1)
BVW-50

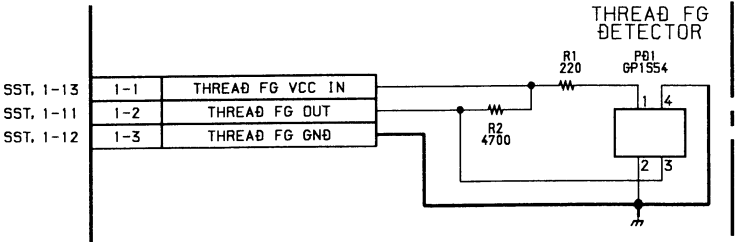
SE-158; THREAD/UNTHREAD END DETECTOR
TAPE/CASSETTE DETECTOR



SE-158
1-638-689-12 (1)
BVW-50

DET-15; THREADING FG DETECTOR

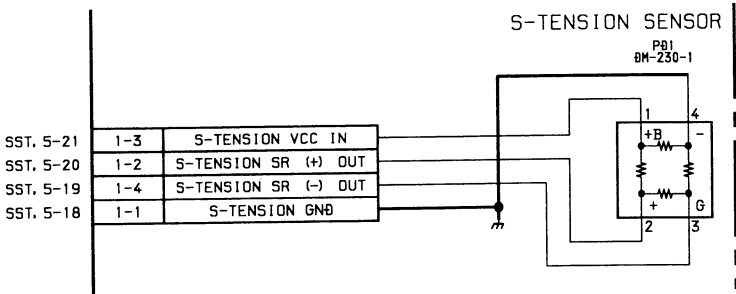
TR-57; S-TENSION DETECTOR



DET-15

1-638-705-11, 12 (1)

BVW-50

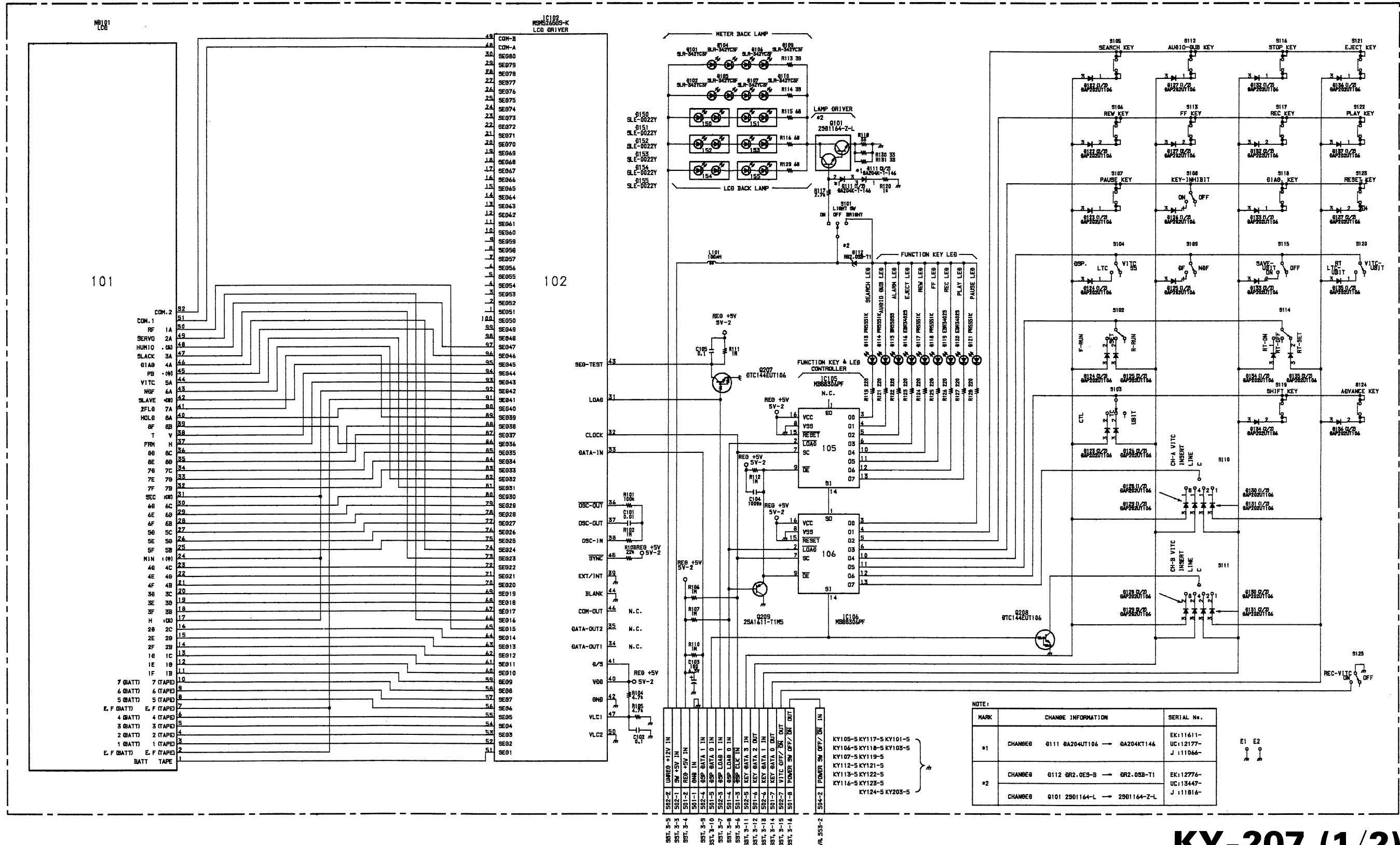


TR-57

1-638-710-11 (1)

BVW-50

KY-207 (1/2); FUNCTION KEYBOARD
LCD UNIT



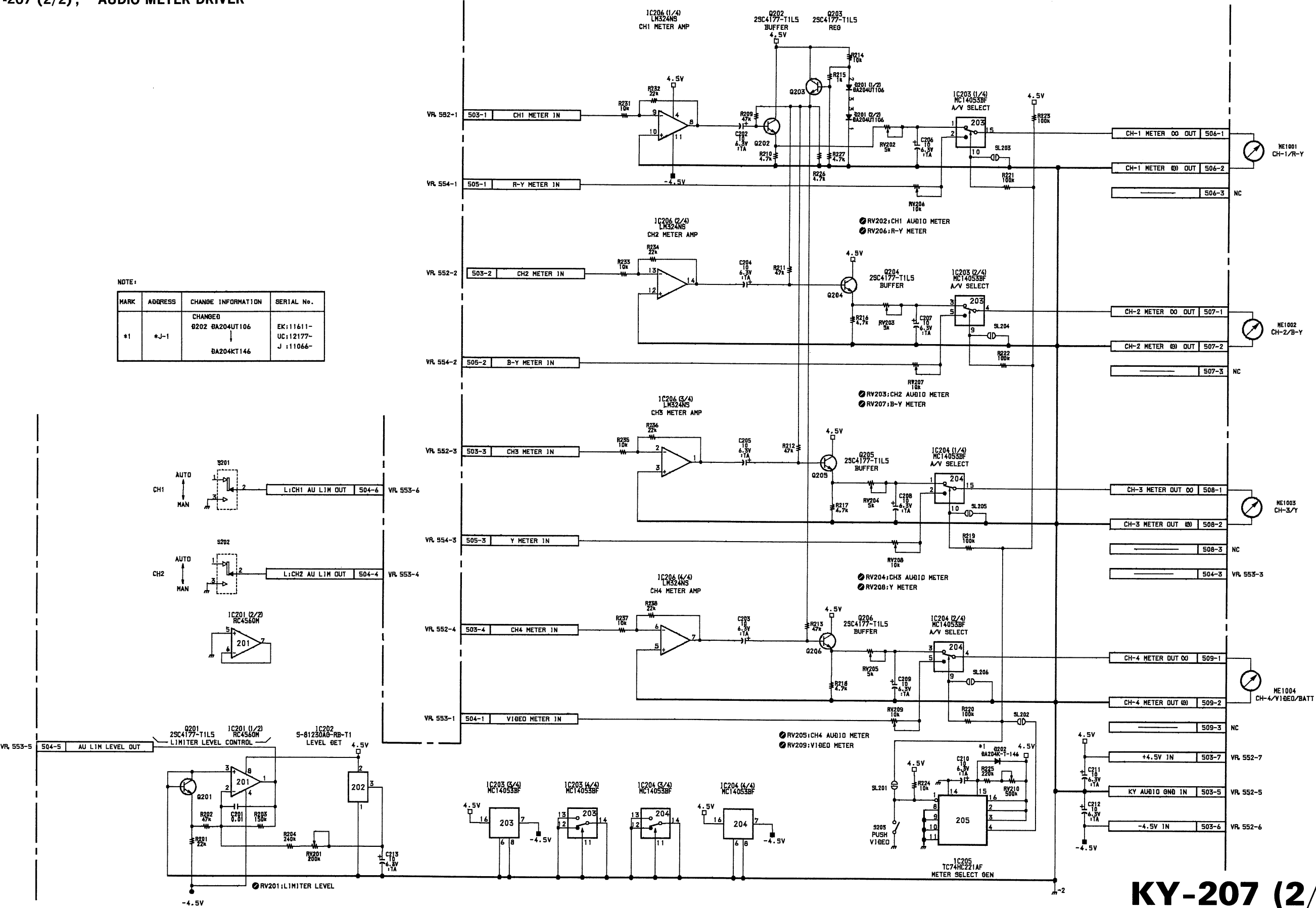
KY-207 (1/2)

1-638-686-13 (1)
BVW-50

KY-207 (2/2); AUDIO METER DRIVER

NOTE:

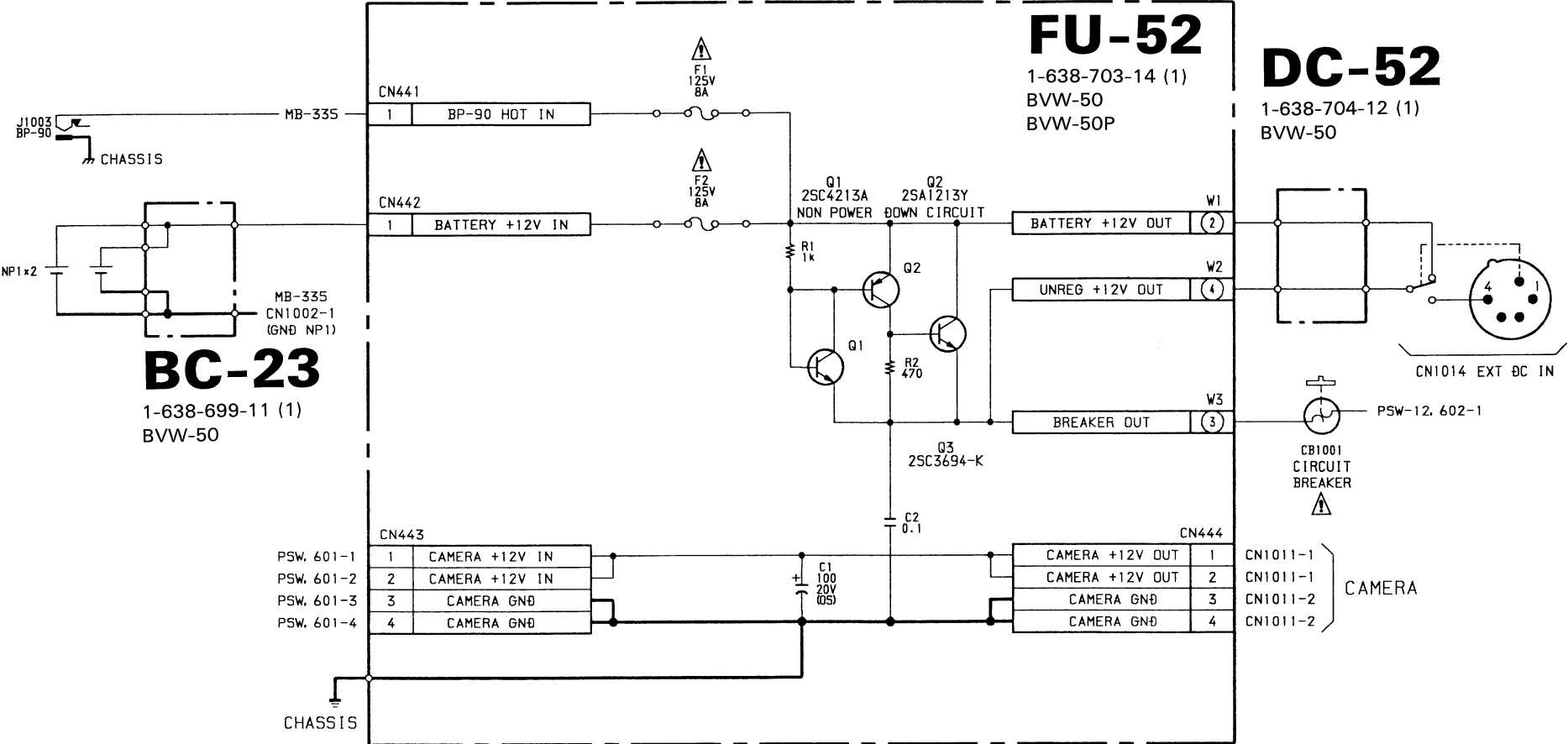
MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
*1	*J-1	CHANGED Q202 9A204UT106 ↓ 9A204KT146	EK:11611- UC:12177- J:11066-



KY-207 (2/2)

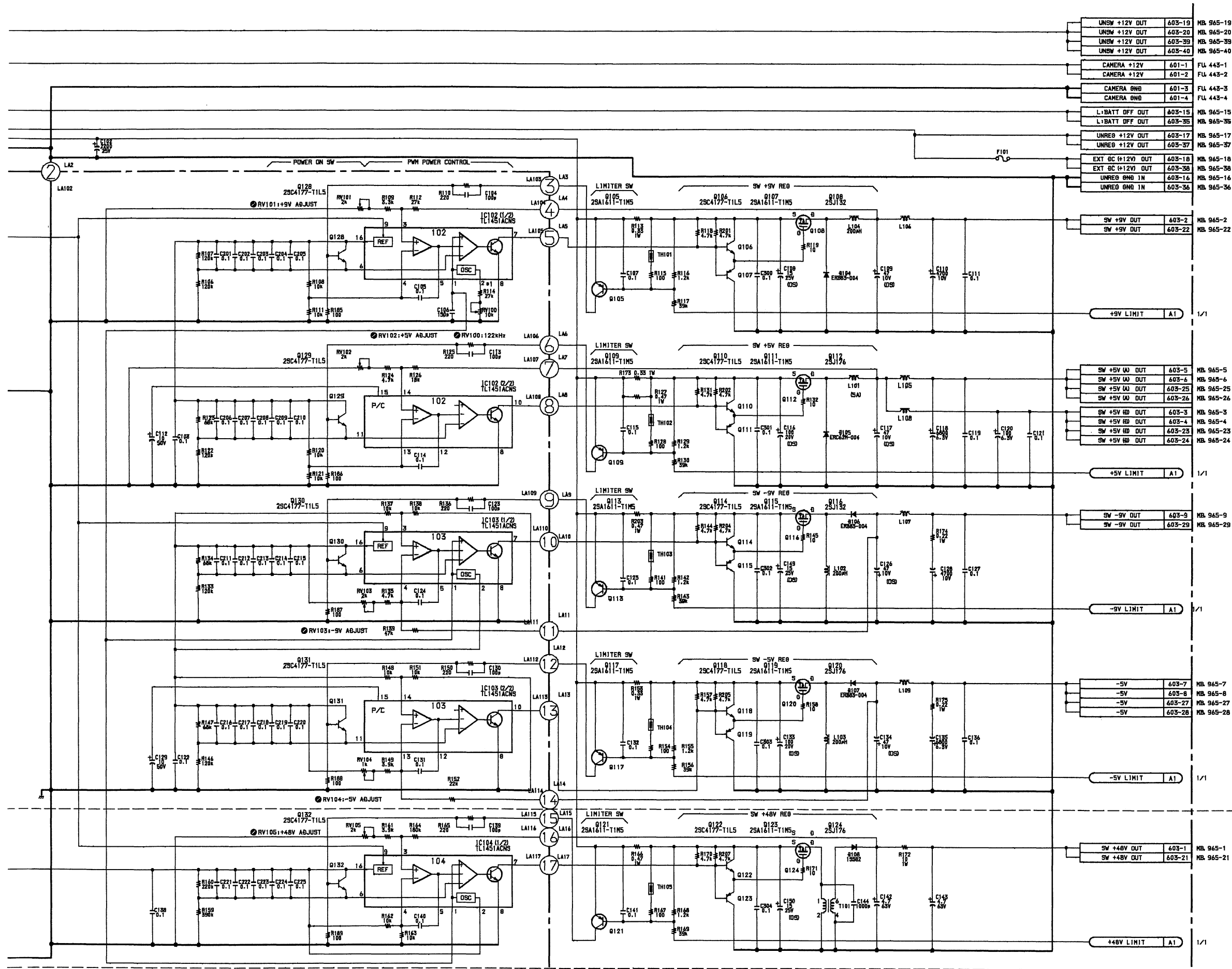
1-638-686-13 (1)
BVW-50

BC-23; BATTERY TERMINAL
DC-52; EXTERNAL DC IN
FU-52; FUSE



注意 1 : ⚠印のついた部品は安全性を維持するために重要な部品です。従って交換する時は必ず指定の部品を使って下さい。

NOTE :
The ⚠-marked components are critical to safety.
Replace only with same components as specified.



MB-335 (1/2); MOTHER BOARD

1

CH951 30P	(S-REEL)	YEL
951-1	S-REEL DRIVE (-) OUT	
951-2	S-REEL DRIVE (+) OUT	

CH952 30P	(S-BRAKE)	RED
952-1	S BRAKE ON OUT	
952-2	S BRAKE VCC OUT	
952-3	S BRAKE OFF OUT	

CH953 30P	(PINCH)	WHT
953-1	PINCH ON OUT	
953-2	PINCH OFF OUT	
953-3	PINCH VCC OUT	

CH957 30P	(CS-26)	BLK
957-1	L:ICASS IN	
957-2	CASS +5V OUT	
957-3	L:ICASS-UP IN	
957-4	L:ICASS-DOWN IN	
957-5	CASS GND OUT	
957-6	CASS DRIVE FWD OUT	
957-7	CASS DRIVE REV OUT	

CH970 30P	(AU-ERASE)	RED
970-1	CH1 AUDIO ERASE (0) OUT	
970-2	CH1 AUDIO ERASE (1) OUT	
970-3	CH2 AUDIO ERASE (0) OUT	
970-4	CH2 AUDIO ERASE (1) OUT	

CH954 4P	(TR-57)	YEL
954-1	S-TENSION GND OUT	
954-2	S-TENSION SR (+) IN	
954-3	S-TENSION VCC OUT	
954-4	S-TENSION SR (-) IN	

CH955 30P	(FE-11)	BLK
955-1	FULL ERASE +10V OUT	
955-2	GND OUT	
955-3	—	

CH948 4P	(SR-50)	WHT
948-1	GND OUT	
948-2	SW +5V (A) OUT	
948-3	PA Y SWP OUT	
948-4	PA C SWP OUT	

2

CH962 30P	(VR-118)	
962-1	CH4 LINE (0) IN	
962-2	LINE (0) OUT	
962-3	CH1 LNB AUDIO (0) OUT	
962-4	CH2 LNB AUDIO (0) OUT	
962-5	CH3 AFM AUDIO (0) OUT	
962-6	CH4 AFM AUDIO (0) OUT	
962-7	VR CH1 PB/EE OUT	

CH949 30P	(KY-207)	BLK
949-1	KY SW +5V OUT	
949-2	KY UNREG +12V OUT	
949-3	BSP LOAD 1 OUT	
949-4	BSP DATA 1 OUT	
949-5	KEY DATA 3 IN	
949-6	KEY DATA 1 IN	
949-7	V1TC OFF/ON IN	

CH956 30P	(CTL HEAD)	WHT
956-1	CTL HEAD (0)	
956-2	CTL HEAD (1)	
956-3		

CH958 30P	(END)	BLK
958-1	TAPE END SENSOR (0) IN	
958-2	TAPE END SENSOR (1) IN	

CH959 30P	(TC HEAD)	RED
959-1	TC HEAD (0)	
959-2	TC HEAD (1)	

3

CH961 30P	(VR-118)	
961-1	AU +4.5V OUT	
961-2	AU -4.5V OUT	
961-3	LINE (0) IN	
961-4	CH1 LINE (0) IN	
961-5	CH2 LINE (0) IN	
961-6	CH3 LINE (0) IN	

CH950 30P	(KY-207)	WHT
950-1	GND OUT	
950-2	KY REG +5V OUT	
950-3	BSP CLK OUT	
950-4	BSP LOAD 0 OUT	
950-5	BSP DATA 0 OUT	
950-6	KEY DATA 2 IN	
950-7	KEY DATA 0 IN	
950-8	POWER SW OFF/ON IN	

CH905 30P	(SST-1)	
905-1	CASS DRIVE FWD IN	
905-2	CASS DRIVE REV IN	
905-3	L:REC OK OUT	
905-4	H:METAL OUT	
905-5	SNS +5V IN	
905-6	L:LARGE CASSETTE OUT	
905-7	H:TAPE THIN OUT	
905-8	L:SMALL HAD OUT	
905-9	L:UNTHREAD END OUT	
905-10	L:THREAD END OUT	
905-11	REG GND OUT	
905-12	TC HEAD (0)	
905-13	TC HEAD (1)	
905-14	TAPE END SENSOR (0) OUT	
905-15	TAPE END SENSOR (1) OUT	
905-16	CTL HEAD (0)	
905-17	CTL HEAD (1)	
905-18	S-TENSION GND IN	
905-19	S-TENSION SR (-) OUT	
905-20	S-TENSION SR (+) OUT	
905-21	S-TENSION VCC IN	
905-22	PINCH ON IN	
905-23	PINCH OFF IN	
905-24	PINCH VCC IN	
905-25	S BRAKE OFF IN	
905-26	S BRAKE VCC IN	
905-27	S BRAKE ON IN	
905-28	S-REEL DRIVE (+) IN	
905-29	S-REEL DRIVE (-) IN	
905-30	REG GND OUT	

CH904 30P	(SST-1)	
904-1	ENCODE V1REQ OUT	
904-2	REC V1TC IN	
904-3	REF INT/EXT OUT	
904-4	L:EDIT PRESET IN	
904-5	PB FP2 OUT	
904-6	PB FP1 OUT	
904-7	RF NG/OK OUT	
904-8	REC/REF FP2 OUT	
904-9	REC/REF FP1 OUT	
904-10	H:CARACTOR IN	
904-11	L:WINDOW IN	
904-12	L:HB OUT	
904-13	L:VB OUT	
904-14	REC-SV REF OUT	
904-15	ENCODE SYNC OUT	
904-16	Y PB SYNC OUT	
904-17	Y-DO PULSE OUT	
904-18	C-DO PULSE OUT	
904-19	Y SW PULSE IN	
904-20	C SW PULSE IN	
904-21	YA REC ON/OFF IN	
904-22	YB REC ON/OFF IN	
904-23	CA REC ON/OFF IN	
904-24	CB REC ON/OFF IN	
904-25	PSEUDO-V0 IN	
904-26	SV-V0 IN	
904-27	L:CASS OUT	
904-28	CASS +5V IN	
904-29	L:ICASS-UP OUT	
904-30	L:ICASS-DOWN OUT	

CH903 30P	(SST-1)	
903-1	AU CH1 ON/MUTE IN	
903-2	REG GND OUT	
903-3	KY SW +5V IN	
903-4	KY REG +5V IN	
903-5	KY UNREG +12V IN	
903-6	BSP CLK IN	
903-7	BSP LOAD 1 IN	
903-8	BSP LOAD 0 IN	
903-9	BSP DATA 1 IN	
903-10	BSP DATA 0 IN	
903-11	KEY DATA 3 OUT	
903-12	KEY DATA 2 OUT	
903-13	KEY DATA 1 OUT	
903-14	KEY DATA 0 OUT	
903-15	V1TC OFF/ON OUT	
903-16	POWER SW OFF/ON OUT	
903-17	V1REQ DATA IN	
903-18	V1REQ CLK IN	
903-19	V1REQ STB IN	
903-20	REC 3. 4/1. 2 IN	
903-21	REC STB/NONSTB IN	
903-22	SAVE OFF/ON IN	
903-23	V1REQ PB/EE IN	
903-24	ENCODE 3. 4/1. 2 IN	
903-25	10 REGN/THRU IN	
903-26	H-SHIFT ON/ OFF IN	
903-27	B0C OFF/ON IN	
903-28	H:TAPE FF/REW IN	
903-29	TAPE FWD/REV IN	
903-30	V1REQ ON/MUTE IN	

4

CH922 30P	(AU-142)	
922-1	AFM RF (0) OUT	
922-2	AFM RF (1) OUT	
922-3	REC AFM (0) IN	
922-4	REC AFM (1) IN	
922-5	PA C SWP OUT	
922-6	LTC CANCEL OUT	
922-7	ALARM TONE OUT	
922-8	AUDIO SUB/REC OUT	
922-9	AU CH1 REC ON/OFF OUT	
922-10	AU CH2 REC ON/OFF OUT	
922-11	AU-OUT SOFT/NDOR OUT	
922-12	AU AFM PB/ EE OUT	
922-13	AU CH2 PB/ EE OUT	
922-14	AU CH1 PB/ EE OUT	
922-15	AU AFM ON/MUTE OUT	
922-16	AU CH2 ON/MUTE OUT	
922-17	AU CH1 ON/MUTE OUT	
922-18	VR CH1 PB/EE IN	
922-19	CH3 LINE (0) OUT	
922-20	CH2 LINE (0) OUT	
922-21	CH1 LINE (0) OUT	
922-22	LINE (0) OUT	
922-23	AU -4.5V IN	
922-24	AU +4.5V IN	
922-25	CH4 LINE (0) OUT	
922-26	LINE (0) IN	
922-27	CH1 LNB AUDIO (0) IN	
922-28	CH2 LNB AUDIO (0) IN	
922-29	CH3 AFM AUDIO (0) IN	
922-30	CH4 AFM AUDIO (0) IN	

CH916 30P	(VRP-1)	
916-1	RF NG/OK IN	
916-2	REC/REF FP2 IN	
916-3	REC/REF FP1 IN	
916-4	H:CARACTOR OUT	
916-5	L:WINDOW OUT	
916-6	L:HB IN	
916-7	L:VB IN	
916-8	REC-SV REF IN	
916-9	B0C OFF/ON OUT	
916-10	H:TAPE FF/REW OUT	
916-11	TAPE FWD/REV OUT	
916-12	V1REQ ON/MUTE OUT	
916-13	ENCODE SYNC IN	
916-14	Y PB SYNC IN	
916-15	Y-DO PULSE IN	
916-16	C-DO PULSE IN	
916-17	Y SW PULSE OUT	
916-18	C SW PULSE OUT	
916-19	YA REC ON/OFF OUT	
916-20	YB REC ON/OFF OUT	
916-21	CA REC ON/OFF OUT	
916-22	CB REC ON/OFF OUT	
916-23	PSEUDO-V0 OUT	
916-24	SV-V0 OUT	
916-25	PA C SWP IN	
916-26	PA Y SWP IN	
916-27	REC AFM (0) OUT	
916-28	REC AFM (1) OUT	
916-29	AFM RF (0) IN	
916-30	AFM RF (1) IN	

③	BP-90 HOT OUT
①	BP-90 HOT IN

⑨71	(CHECK)	WHT
971-1	GNB OUT	
971-2	SW +9V OUT	
971-3	SW +5V (Ω) OUT	
971-4	SW +5V (Ω) OUT	
971-5	SW -5V OUT	
971-6	SW -9V OUT	
971-7	UNREG +12V OUT	

CH923
⑨P (AU-142)

923-1	H:POWER ON MUTE IN
923-2	L:CH1 CONF1 IN
923-3	L:CH2 CONF1 IN
923-4	---
923-5	CH1 AU ERASE (Ω) IN
923-6	CH1 AU ERASE (Y) IN
923-7	CH2 AU ERASE (Ω) IN
923-8	CH2 AU ERASE (Y) IN
923-9	FULL ERASE +10V IN

⑨1002	⑨1001
1	GNB (NP-1)
	1
	GNB EXT (Ω)

965
TOP

(PSW-12)

965-1	SW +48V IN	965-21	SW +48V IN
965-2	SW +9V IN	965-22	SW +9V IN
965-3	SW +5V (Ω) IN	965-23	SW +5V (Ω) IN
965-4	SW +5V (Ω) IN	965-24	SW +5V (Ω) IN
965-5	SW +5V (Ω) IN	965-25	SW +5V (Ω) IN
965-6	SW +5V (Ω) IN	965-26	SW +5V (Ω) IN
965-7	SW -5V IN	965-27	SW -5V IN
965-8	SW -5V IN	965-28	SW -5V IN
965-9	SW -9V IN	965-29	SW -9V IN
965-10	GNB IN	965-30	GNB IN
965-11	GNB IN	965-31	GNB IN
965-12	GNB IN	965-32	GNB IN
965-13	H:BC-BC ON OUT	965-33	H:BC-BC ON OUT
965-14	L:POWER ON OUT	965-34	L:POWER ON OUT
965-15	L:BATT OFF IN	965-35	L:BATT OFF IN
965-16	UNREG GNB	965-36	UNREG GNB
965-17	UNREG +12V IN	965-37	UNREG +12V IN
965-18	EXT BC (+12V) IN	965-38	EXT BC (+12V) IN
965-19	UNSW +12V IN	965-39	UNSW +12V IN
965-20	UNSW +12V IN	965-40	UNSW +12V IN

⑨41	(DR-63)	WHT
941-1	GNB OUT	
941-2	BRUM (RIVE (Ω) OUT	
941-3	BRUM (RIVE (Ω) OUT	

⑨43	(T-REEL)	YEL
943-1	T-REEL (RIVE (-) OUT	
943-2	T-REEL (RIVE (Ω) OUT	

⑨40	(TOP B)	WHT
940-1	TAPE TOP B-SENSOR (Ω) IN	
940-2	TAPE TOP B-SENSOR (Ω) IN	

⑨45	(DET-15)	YEL
945-1	THREAD FG VCC OUT	
945-2	THREAD FG IN	
945-3	THREAD FG (-) OUT	

⑨42	(T-BRAKE)	REG
942-1	T BRAKE ON OUT	
942-2	T BRAKE VCC OUT	
942-3	T BRAKE OFF OUT	

⑨44	(TOP A)	BLK
944-1	TAPE TOP A-SENSOR (Ω) IN	
944-2	TAPE TOP A-SENSOR (Ω) IN	

⑨46	(TH-MOT)	REG
946-1	THREAD (RIVE REW OUT	
946-2	THREAD (RIVE FWD OUT	

⑨47	(SE-158)
947-1	L:SMALL HAB IN
947-2	L:UNTHREAD ENB IN
947-3	L:THREAD ENB IN
947-4	L:LARGE CASSETTE IN
947-5	H:TAPE THIN IN
947-6	REG GNB OUT
947-7	SNS +5V OUT
947-8	L:REC OK IN
947-9	H:METAL IN

⑨26	(CP-164)
926-1	AU SUB CH2/EXT IN
926-2	L:SAVE SW ON IN
926-3	L:PB SW ON IN
926-4	CF OFF/ON IN
926-5	TX-B OUT
926-6	TX-A OUT
926-7	RX-B IN
926-8	RX-A IN

⑨27	(CP-164)
927-1	RFU VIDEO (Ω) OUT
927-2	L:CH2 CONF1 OUT
927-3	L:CH1 CONF1 OUT
927-4	H:POWER ON MUTE OUT
927-5	VTR SAVE/MON IN
927-6	UNREG +12V OUT
927-7	SW +5V (Ω) OUT
927-8	SW +48V OUT
927-9	RFU VIDEO (Ω) OUT

⑨28	(CP-164)
928-1	VR CH2 PB/EE OUT
928-2	VR AFM PB/EE OUT
928-3	L:CONF1 ON IN
928-4	L:DOLBY ON IN
928-5	CH1 CONF1 (Ω) OUT
928-6	CH2 CONF1 (Ω) OUT
928-7	ATT ALARM TONE OUT
928-8	SW +5V (Ω) OUT
928-9	SW -5V OUT
928-10	MIC AMP GNB IN
928-11	GNB OUT
928-12	SW +9V OUT
928-13	SW -9V OUT

⑨30	(DC-OUT)
930-1	EXT (Ω) (+12V) OUT
930-2	---
930-3	GNB OUT

⑨25	(CC-47)
925-1	REG +5V OUT
925-2	CAMERA/LINE IN
925-3	H:VIDEO EXIST IN
925-4	REC SYNC IN
925-5	L:COMPONENT IN
925-6	CHARA OFF/ON IN

⑨02	(SST-1)
902-1	EXT LTC IN (Ω) OUT
902-2	EXT LTC OUT (Ω) IN
902-3	RX-A OUT
902-4	RX-B OUT
902-5	TX-A IN
902-6	TX-B IN
902-7	VTR SAVE/MON OUT
902-8	VTR START/STOP OUT
902-9	REC SYNC OUT
902-10	BATT INB IN
902-11	REC TALLY IN
902-12	AU SUB CH2/CH1 OUT
902-13	L:COMPONENT OUT
902-14	H:VIDEO EXIST OUT
902-15	CAMERA/LINE OUT
902-16	CHARA OFF/ON OUT
902-17	CF OFF/ON OUT
902-18	L:PB SW ON OUT
902-19	L:SAVE SW ON OUT
902-20	LTC CANCEL IN
902-21	ALARM TONE IN
902-22	AUDIO SUB/REC IN
902-23	AU CH2 REC ON/OFF IN
902-24	AU CH1 REC ON/OFF IN
902-25	AU-OUT SOFT/NOR IN
902-26	AU AFM PB/EE IN
902-27	AU CH2 PB/EE IN
902-28	AU CH1 PB/EE IN
902-29	AU AFM ON/MUTE IN
902-30	AU CH2 ON/MUTE IN

⑨01	(SST-1)
901-1	BRUM (RIVE (Ω) IN
901-2	BRUM (RIVE (Ω) IN
901-3	T BRAKE OFF IN
901-4	T BRAKE VCC IN
901-5	T BRAKE ON IN
901-6	T-REEL (RIVE (Ω) IN
901-7	T-REEL (RIVE (-) IN
901-8	THREAD (RIVE REW IN
901-9	THREAD (RIVE FWD IN
901-10	---
901-11	THREAD FG OUT
901-12	THREAD FG (-) IN
901-13	THREAD FG VCC IN
901-14	T-TOP SENSOR (Ω) OUT
901-15	T-TOP SENSOR (Ω) OUT
901-16	REG GNB OUT
901-17	REG GNB OUT
901-18	UNREG GNB OUT
901-19	UNREG GNB OUT
901-20	UNSW +12V OUT
901-21	UNSW +12V OUT
901-22	SW +5V (Ω) OUT
901-23	SW -5V OUT
901-24	L:BATT OFF OUT
901-25	L:POWER ON IN
901-26	H:BC-BC ON IN
901-27	---
901-28	---
901-29	---
901-30	REG +5V IN

CH915
⑨P (VRP-1)

915-1	GNB (Ω) OUT
915-2	GNB (Ω) OUT
915-3	SW +5V (Ω) OUT
915-4	SW -5V OUT
915-5	SW +9V OUT
915-6	GNB (Ω) OUT
915-7	GNB (Ω) OUT
915-8	SW +5V (Ω) OUT
915-9	SW +5V (Ω) OUT
915-10	SW +5V (Ω) OUT
915-11	SW -9V OUT
915-12	RFU VIDEO (Ω) IN
915-13	L:CONF1 ON OUT
915-14	H:METAL OUT
915-15	VIDEO DATA OUT
915-16	VIDEO CLK OUT
915-17	VIDEO STB OUT
915-18	REC 3. 4/1.2 OUT
915-19	REC STB /NON STB OUT
915-20	SAVE OFF/ON OUT
915-21	VIDEO PB/EE OUT
915-22	ENCORE 3. 4/1.2 OUT
915-23	10 REG/THRU OUT
915-24	H SHIFT ON/OFF OUT
915-25	ENCORE VIDEO IN
915-26	REC VTC OUT
915-27	REF INT/EXT IN
915-28	L:EDIT PRESET OUT
915-29	PB FP2 IN
915-30	PB FP1 IN

⑨21	(AU-142)
921-1	L:CONF1 ON OUT
921-2	L:DOLBY ON OUT
921-3	CH1 CONF1 (Ω) IN
921-4	CH2 CONF1 (Ω) IN
921-5	ATT ALARM TONE IN
921-6	VR CH2 PB/EE IN
921-7	UNREG +12V OUT
921-8	UNREG +12V OUT
921-9	SW -9V OUT
921-10	SW -5V OUT
921-11	SW -5V OUT
921-12	SW +5V (Ω) OUT
921-13	SW +5V (Ω) OUT
921-14	SW +9V OUT
921-15	MIC AMP GNB OUT
921-16	MIC AMP GNB OUT
921-17	GNB OUT
921-18	GNB OUT
921-19	VR AFM PB/EE IN
921-20	H:METAL OUT

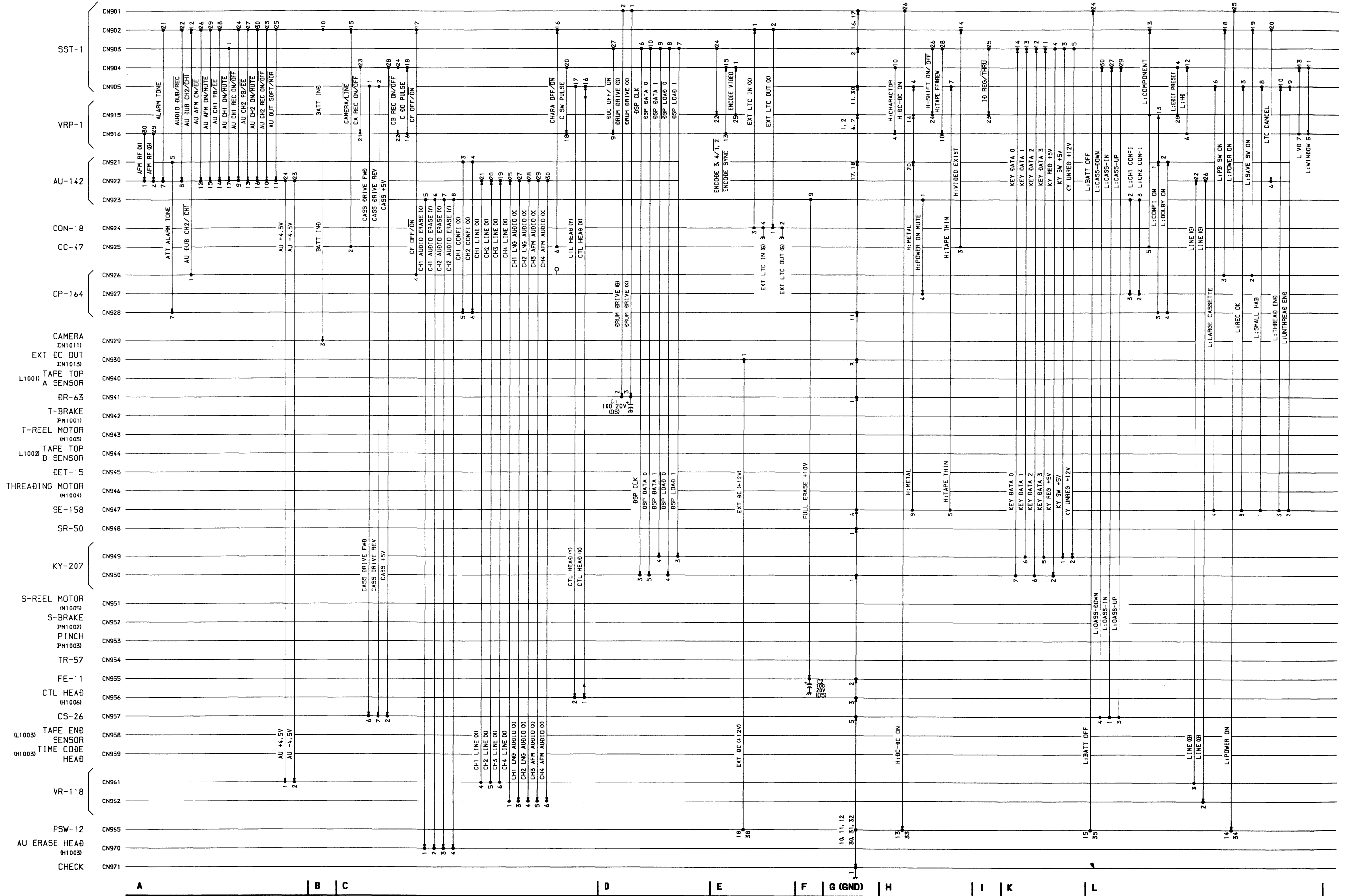
⑨24	(CON-18)
924-1	EXT LTC OUT (Ω) OUT
924-2	EXT LTC OUT (Ω) OUT
924-3	EXT LTC IN (Ω) IN
924-4	EXT LTC IN (Ω) IN
924-5	---

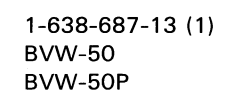
⑨29	(CAM-CON)
929-1	VTR SAVE/MON IN
929-2	REC TALLY OUT
929-3	BATT INB OUT
929-4	VTR START/STOP IN

MB-335 (1/2)

1-638-687-13 (1)
BVW-50
BVW-50P

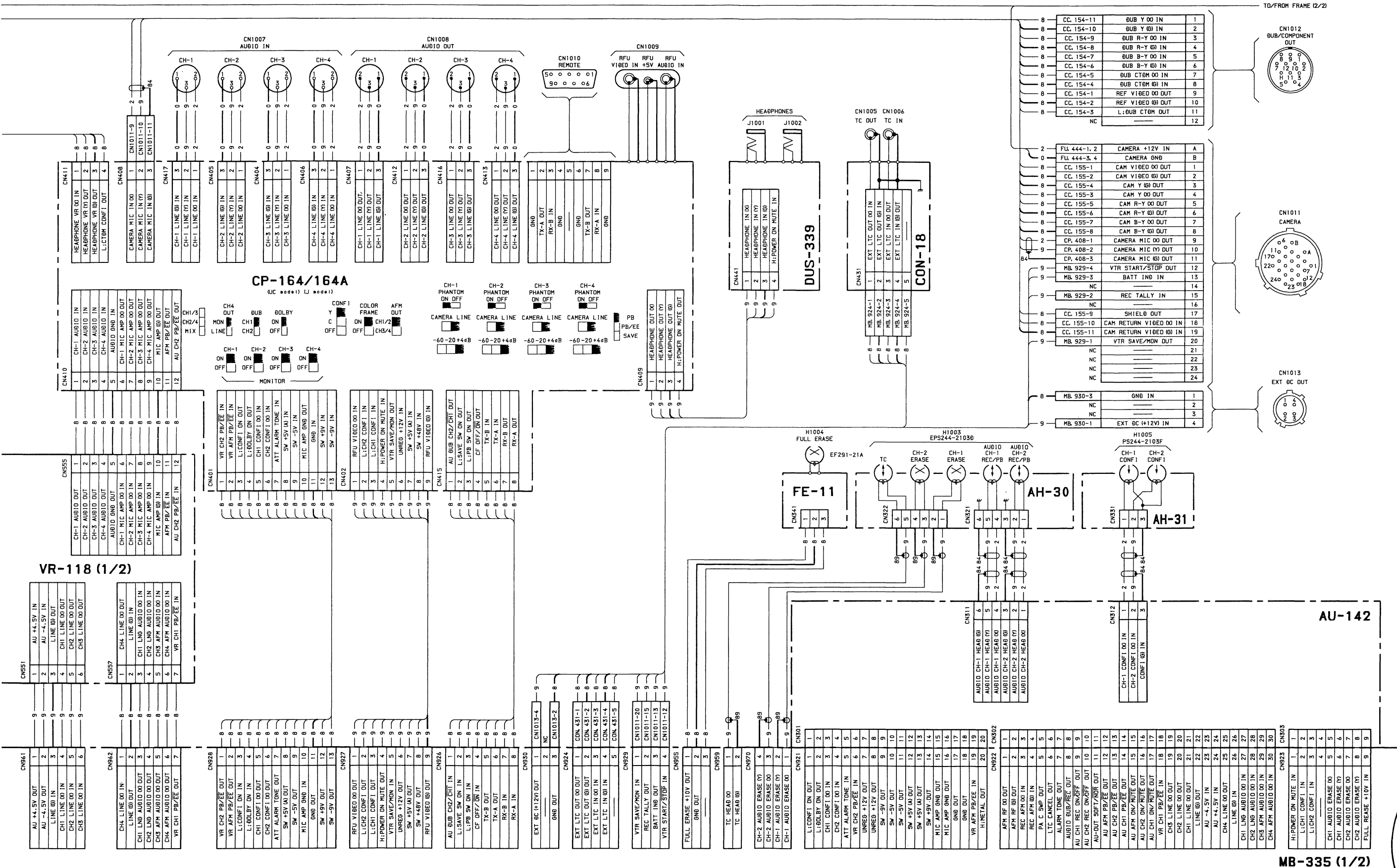
MB-335 (2/2); MOTHER BOARD






SR-50 ; SLIP-RING




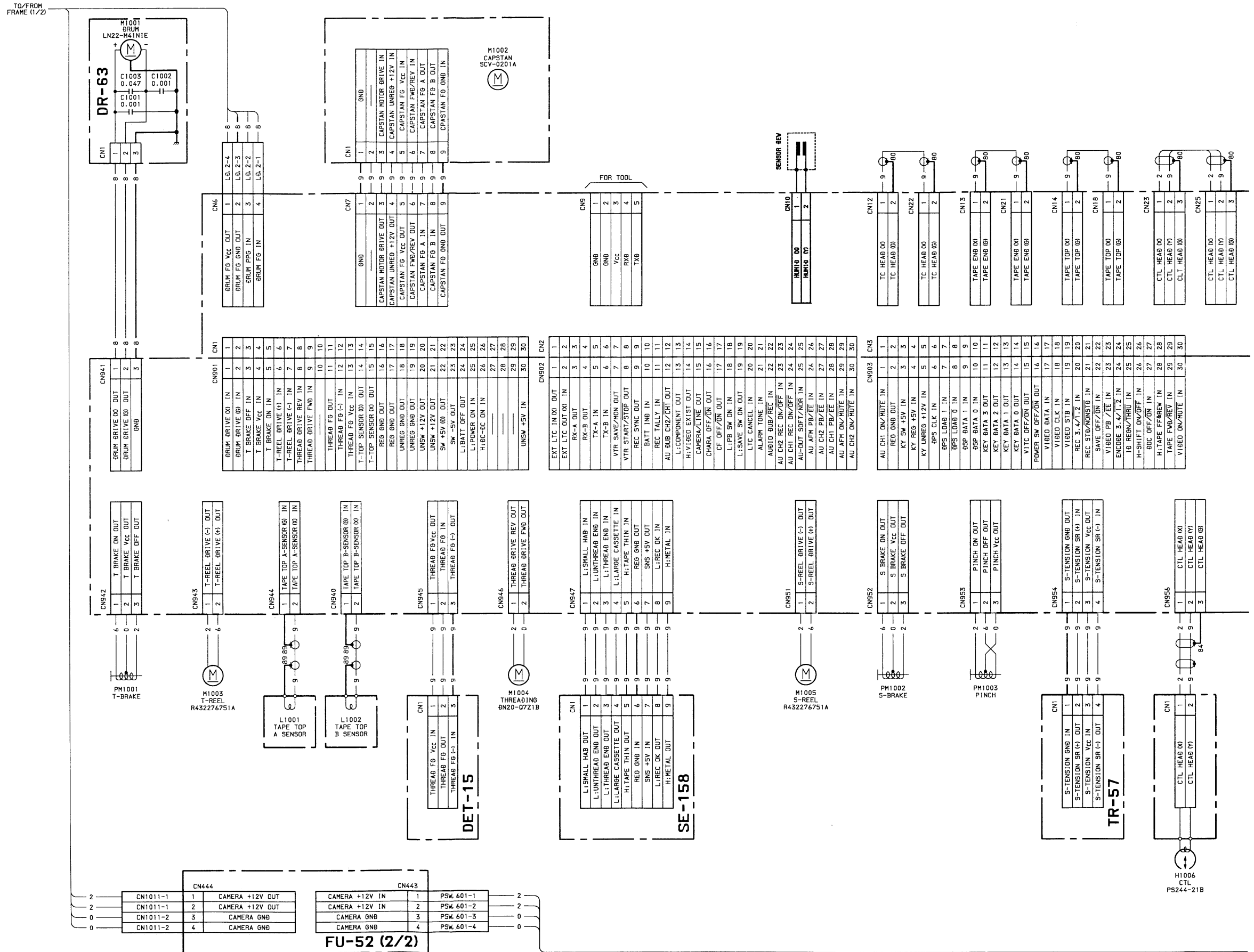


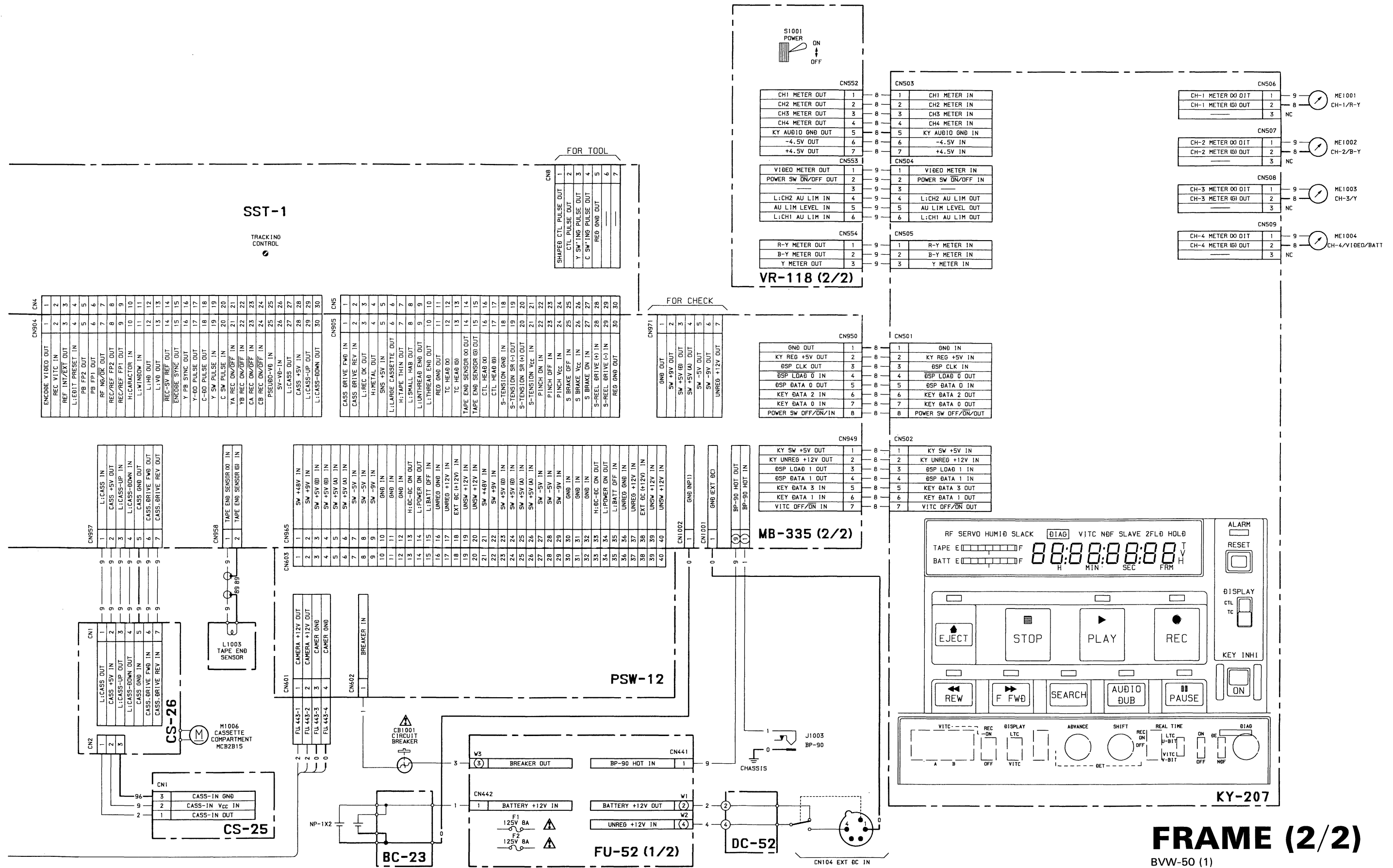
FRAME (1/2)

FRAME (2/2)
DR-63; DRUM MOTOR

意 1 :  印のついた部品は安全性を維持するために重要な部品です。従って交換する時は必ず指定の部品を使って下さい。

NOTE :
The -marked components are critical to safety.
Replace only with same components as specified.





Section 12

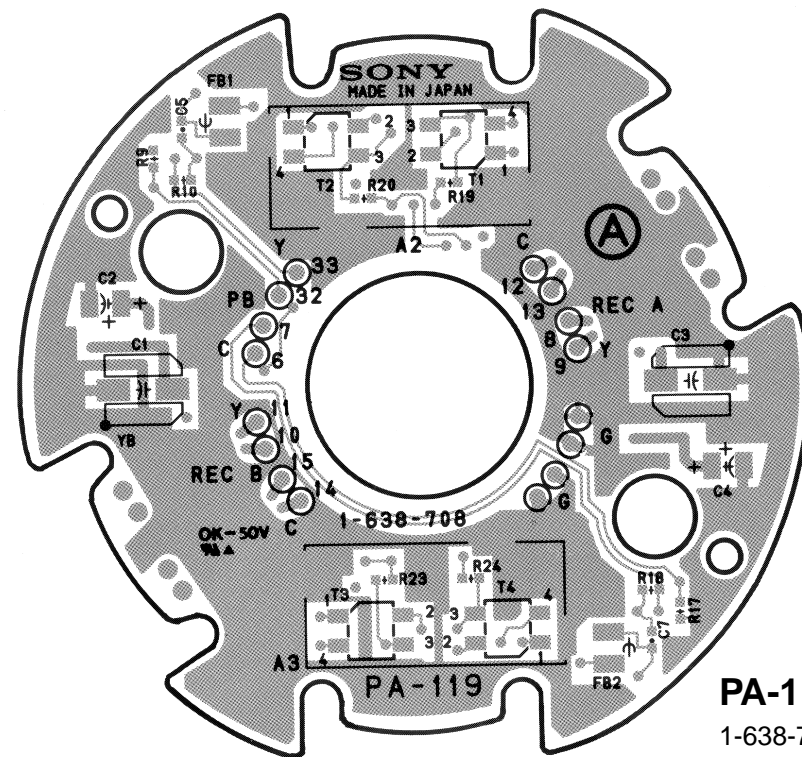
Printed Wiring Board

Circuit Function of the Printed Wiring Boards.

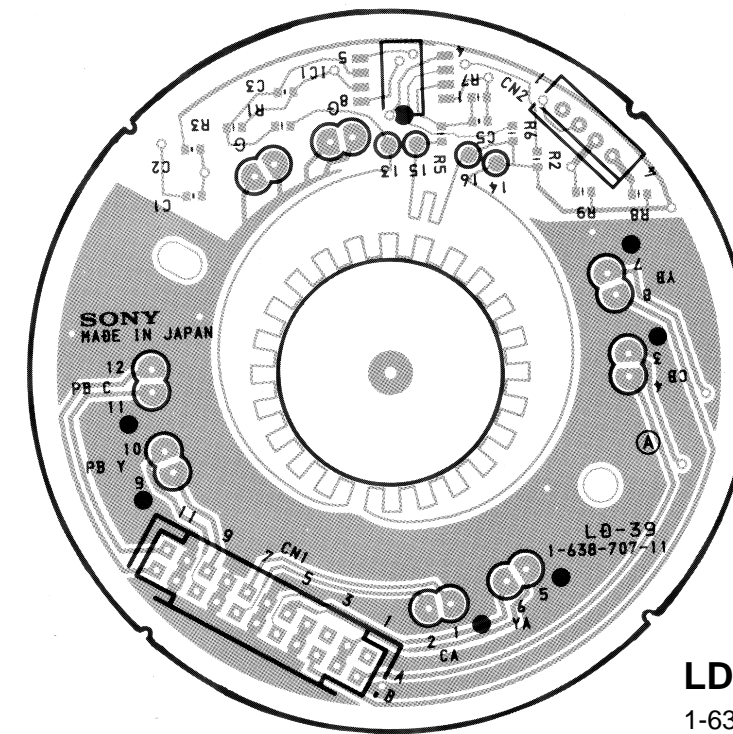
System	Board	Circuit Function
VIDEO	PA-119	Video PB Head Amplifier
		Video REC Head Connection
	LD-39	Video REC Head/PB RF Connection
		Drum FG/PG Amplifier
	VRP-1	Y/C Separator & CTDM
		Modulator/Demodulator
AUDIO	TBC-19	Video Output/REC Amplifier
		Time Base Corrector
	CC-47	Video Encoder
		Video Input/Meter Driver
	AU-142	LNG Audio REC/PB System
		AFM REC/PB System
SERVO • SYSTEM CONTROL • TIME CODE	VR-118	Audio Level Control
		Power Switch
	DUS-339	Phones Jack
		Full Erase Oscillator
	FE-11	Audio Input/Output System
		Panel Switches
POWER	CP-164	Audio Input/Output System
		Panel Switches
	SST-1	Servo & System Control
		Time Code
	CS-25	Cassette In Detector
		Cassette Up/Down Detector
OTHER	CS-26	Thread/Unthread End Detector
		Cassette/Tape Detector
	SE-158	Threading FG Detector
		S-Tension Detector
	DET-15	TC IN/OUT Connector
		TC IN/OUT Connector
POWER	TR-57	Battery Terminal
		External DC IN
	CON-18	Fuse
		DC-DC Converter
OTHER	PSW-12	Mother Board
		Slip-Ring

**PA-119 ; VIDEO PB HEAD AMPLIFIER
VIDEO REC HEAD CONNECTION**

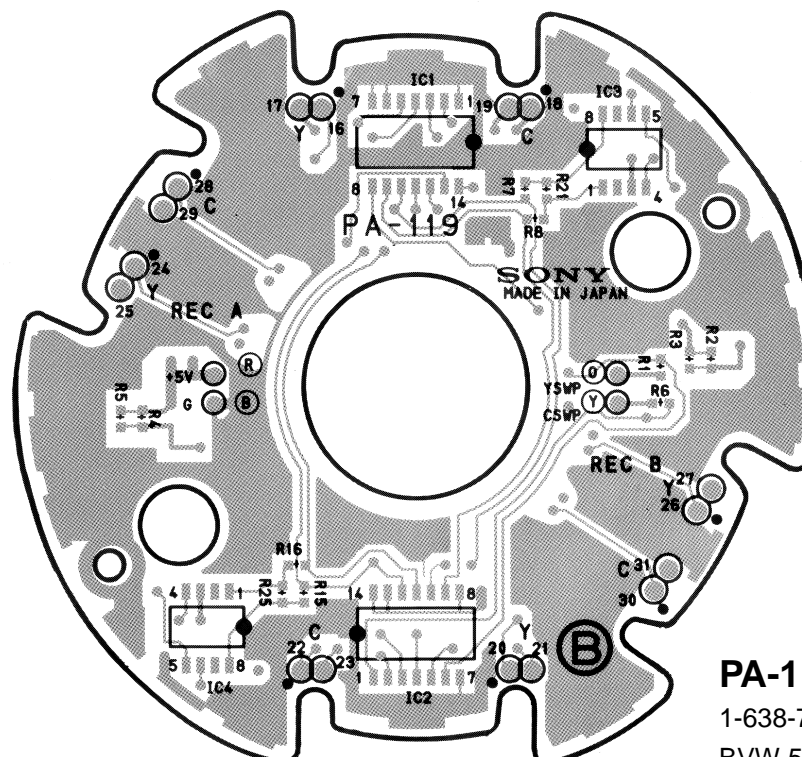
**LD-39 ; VIDEO REC HEAD/PB RF CONNECTION
DRUM FG/PG AMPLIFIER**



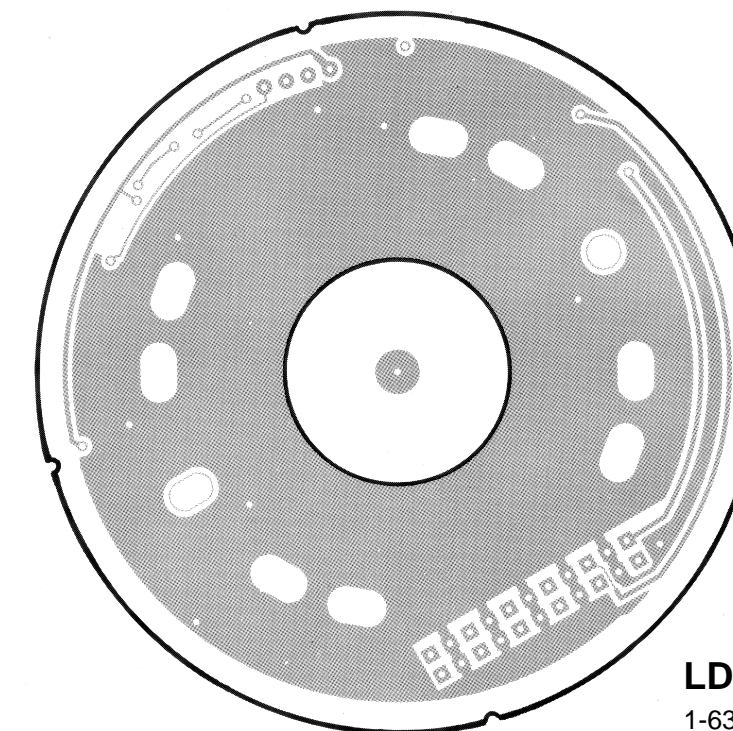
PA-119 —A SIDE—
1-638-708-13 (1)
BVW-50
BVW-50P



LD-39 —A SIDE—
1-638-707-11 (1)
BVW-50
BVW-50P



PA-119 —B SIDE—
1-638-708-13 (1)
BVW-50
BVW-50P



LD-39 —B SIDE—
1-638-707-11 (1)
BVW-50
BVW-50P

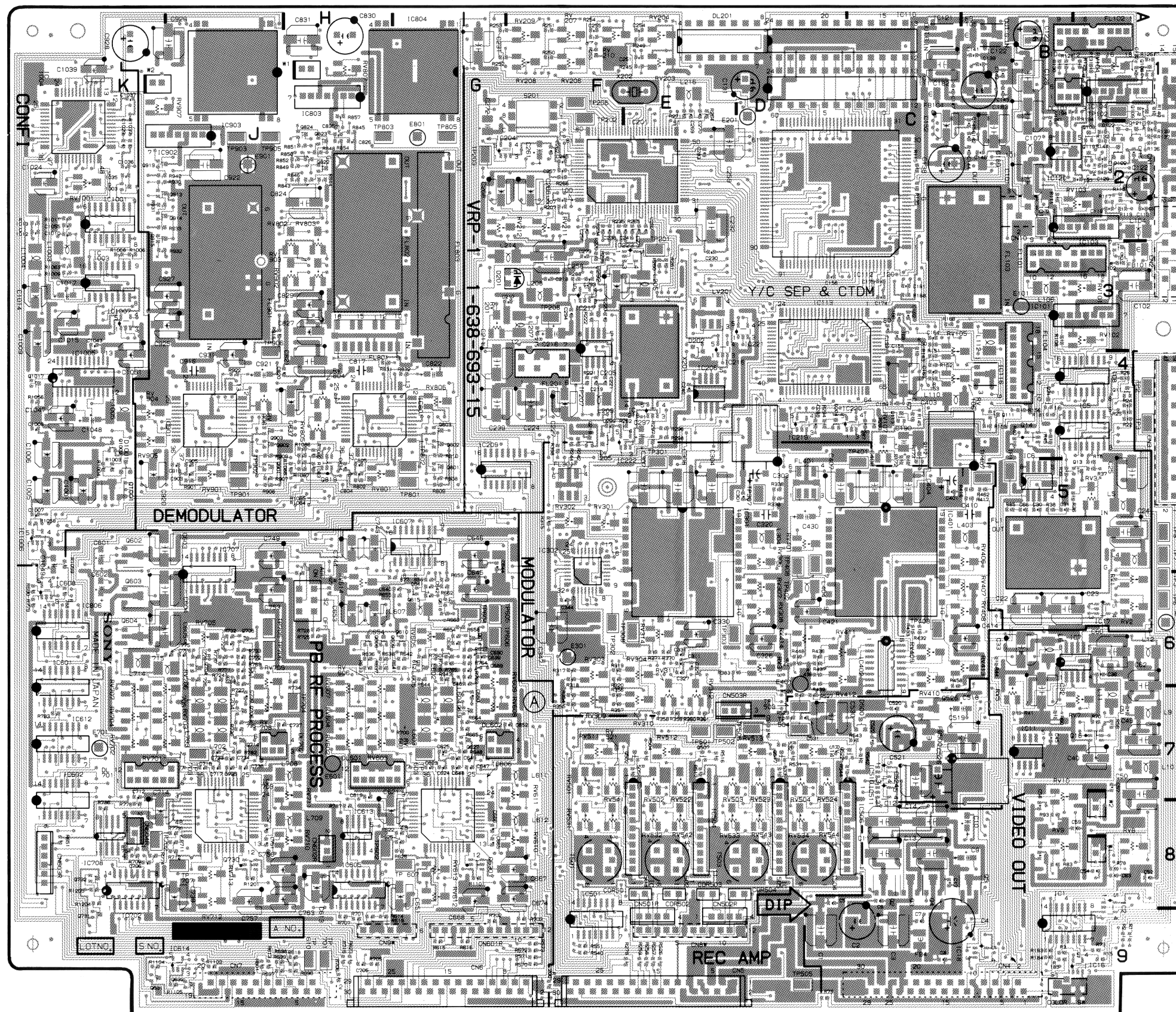
VRP-1 ; Y/C SEPARATOR & CTDM
MODULATOR/DEMODULATOR
VIDEO OUTPUT/REC AMPLIFIER

VRP-1 VRP-1

VRP-1 (1-638-693-15)

CN1	A-2 *	IC6	B-5	IC902	J-2	Q412	D-6 *	Q810	G-4 *	RV410	C-6	TP402	D-5
CN2	A-3 *	IC7	A-6	IC903	J-1	Q413	D-6 *	Q811	G-4 *	RV411	D-6	TP403	C-6
CN3	A-4 *	IC8	B-4	IC907	K-5 *	Q414	D-6 *	Q812	H-4 *	RV412	D-6	TP407	B-5
CN4	C-9 *	IC9	B-6	IC918	J-2 *	Q415	D-6 *	Q813	H-4 *	RV413	B-6	TP408	D-5
CN5	E-9	IC10	A-6 *	IC1001	K-3	Q417	B-6 *	Q814	H-4 *	RV414	D-6	TP501	E-7
CN6	G-9	IC11	B-7	IC1002	K-4 *	Q418	C-6 *	Q815	G-3 *	RV501	F-7	TP502	E-7
CN7	J-9 *	IC12	A-8 *	IC1003	K-3	Q419	C-6 *	Q816	H-2 *	RV502	E-7	TP503	D-7
CN8	E-9 *	IC13	B-8 *	IC1004	K-2	Q420	C-6 *	Q817	H-3 *	RV503	E-7	TP504	D-7
CN9	H-9 *	IC14	B-7 *	IC1005	K-4 *	Q500	E-7 *	Q818	G-2 *	RV504	D-7	TP505	D-9
CN10	B-2 *	IC15	A-7 *	IC1006	K-5 *	Q501	E-7 *	Q819	H-5	RV511	F-7	TP506	D-7
CN501	E-9	IC16	A-9	IC1007	K-3	Q502	E-7	Q822	H-2	RV512	E-7	TP602	H-8
CN502	E-9	IC17	A-6			Q503	F-7 *	Q823	H-2	RV513	D-7	TP603	G-7
CN503	E-7	IC18	C-9	LV201	E-3	Q504	F-8 *	Q824	H-2	RV514	D-7	TP604	G-6
CN601	G-9 *	IC101	B-3			Q505	F-8 *	Q825	H-2 *	RV521	F-7	TP605	G-6
CN602	H-8	IC103	B-2	Q1	B-8 *	Q506	E-7 *	Q826	H-2 *	RV522	E-7	TP606	G-6
CN603	K-8	IC104	A-1	Q2	C-8	Q507	E-7	Q827	H-1 *	RV523	D-7	TP607	G-8
CN604	K-8	IC105	A-2 *	Q3	C-8	Q508	E-7 *	Q901	J-5	RV524	D-7	TP610	H-9
		IC108	C-1	Q4	C-8	Q509	E-8 *	Q902	J-4	RV531	F-8	TP701	H-9
COP501	E-8	IC109	C-1 *	Q5	B-8	Q510	E-8 *	Q903	J-4	RV532	E-8	TP702	K-8
COP502	E-8	IC110	D-1	Q6	A-6 *	Q511	F-7 *	Q904	J-5 *	RV533	E-8	TP703	J-7
COP503	E-8	IC111	D-1	Q7	B-5 *	Q512	F-7 *	Q905	J-4 *	RV534	D-8	TP704	H-7
COP504	D-8	IC112	C-3	Q8	B-5 *	Q513	F-7 *	Q906	J-4 *	RV541	F-8	TP705	J-6
COR501	E-8	IC113	D-4	Q9	B-6 *	Q514	F-7 *	Q907	K-4 *	RV542	E-8	TP706	J-6
COR502	E-8	IC114	C-3 *	Q10	A-4 *	Q515	D-7 *	Q908	K-4 *	RV543	D-8	TP707	J-8
COR503	E-8	IC115	C-4 *	Q11	A-4	Q516	D-7 *	Q909	J-3 *	RV544	D-8	TP801	G-5
COR504	D-8	IC116	B-4	Q12	A-4 *	Q517	D-7	Q910	J-2 *	RV601	H-7	TP802	G-5
		IC118	C-3 *	Q13	A-5	Q518	D-7 *	Q913	K-2	RV602	H-7	TP803	H-2
DL101	B-1	IC120	B-2	Q14	B-4	Q519	E-8 *	Q914	K-2	RV603	H-7	TP805	G-2
DL201	E-1	IC121	C-1	Q16	A-7	Q520	D-8 *	Q915	K-3	RV604	H-7	TP901	J-5
DL601	H-7	IC122	B-1	Q17	A-4 *	Q521	D-7 *	Q916	K-3 *	RV605	G-6	TP902	J-5
DL602	G-7	IC201	E-2	Q18	B-5 *	Q522	C-7	Q917	K-2 *	RV606	H-7	TP903	J-2
DL701	K-7	IC203	F-3 *	Q19	B-4 *	Q523	D-7 *	Q918	K-2 *	RV607	H-7	TP905	J-2
DL702	J-7	IC204	F-2	Q21	B-4	Q524	D-8 *	Q919	K-2	RV608	G-7	TP906	J-4
		IC205	F-4	Q101	A-3	Q525	D-8 *	Q1001	K-5	RV609	G-6		
D101	A-2 *	IC206	E-4	Q102	B-3 *	Q526	C-7	Q1002	K-4	RV610	F-8	T501	F-8
D102	A-2	IC207	E-3 *	Q103	A-2 *	Q527	C-7 *	Q1003	K-3 *	RV611	F-7	T502	E-8
D103	B-2 *	IC208	E-2 *	Q104	B-2 *	Q528	C-7 *	Q1004	K-2 *	RV612	G-8	T503	D-8
D111	A-2 *	IC209	G-5	Q105	A-3 *	Q529	D-7 *	Q1005	K-3 *	RV613	G-8	T504	D-8
D112	A-2 *	IC210	E-1 *	Q106	A-1	Q601	K-6 *	Q1006	K-3 *	RV614	H-6		
D121	A-2	IC211	F-1 *	Q107	B-1 *	Q602	K-5	Q1007	K-3 *	RV701	J-7	X201	E-4
D122	A-2	IC212	F-1 *	Q108	A-2	Q603	K-6	Q1008	K-1 *	RV702	K-7	X202	E-1
D201	F-3	IC213	F-2 *	Q109	A-1	Q604	K-6	Q1009	K-1 *	RV703	J-7		
D202	E-4	IC214	F-2 *	Q110	B-2 *	Q605	H-8 *	Q1010	K-2 *	RV704	K-7		
D204	D-4	IC215	F-4 *	Q111	B-4	Q606	H-8 *	Q1011	K-2 *	RV705	J-6		
D205	F-4	IC216	E-3	Q112	C-4	Q607	G-7 *	Q1012	K-2 *	RV706	J-7		
D301	F-5 *	IC217	F-3	Q113	C-4	Q608	H-6	Q1013	K-3 *	RV707	K-7		
D302	D-6 *	IC218	E-4	Q114	D-4 *	Q609	H-6	Q1014	K-2 *	RV708	J-7		
D400	B-6 *	IC219	D-4	Q115	B-2 *	Q610	G-6	Q1015	K-2 *	RV709	J-6		
D500	C-7	IC220	C-4	Q116	B-2 *	Q611	G-6 *	Q1017	K-4	RV710	H-8		
D1001	K-5	IC221	D-3	Q117	A-2 *	Q612	G-6			RV711	H-7		
D1002	K-1 *	IC222	E-4	Q119	A-2	Q613	G-6 *	RV1	A-6	RV712	J-8		
D1003	K-2	IC223	E-3	Q201	E-2 *	Q614	G-6	RV2	A-6	RV713	J-8		
		IC301	E-5	Q202	E-2 *	Q615	G-6	RV3	A-5	RV801	H-5		
E1	A-6	IC302	F-5	Q203	G-4 *	Q617	G-6 *	RV5	B-7	RV802	H-2		
E101	B-3	IC303	E-6 *	Q204	G-3 *	Q618	G-6	RV7	A-7	RV803	H-3		
E201	D-1	IC401	D-5	Q205	F-3 *	Q619	G-7	RV8	A-8	RV804	H-4		
E301	F-6	IC402	C-6	Q206	E-2 *	Q620	G-5 *	RV9	B-8	RV805	H-4		
E401	D-6	IC501	F-9	Q207	E-2 *	Q621	G-7 *	RV10	B-7	RV806	G-4		
E601	H-7	IC502	C-7 *	Q208	E-4 *	Q622	G-8 *	RV101	A-3	RV807	H-1		
E701	K-7	IC503	E-7	Q209	E-4 *	Q623	F-8 *	RV102	A-3	RV901	J-5		
E801	G-2	IC504	E-7	Q210	F-3 *	Q624	F-8 *	RV103	A-2	RV902	H-3		
E901	J-2	IC505	D-7	Q211	F-3 *	Q626	G-7 *	RV104	A-1	RV903	H-3		
		IC506	C-7	Q212	G-3 *	Q627	G-7	RV105	C-4	RV904	K-4		
FB1	A-5 *	IC508	F-7 *	Q213	F-1 *	Q628	G-6 *	RV106	C-4	RV905	K-4		
FB2	A-5 *	IC510	C-7	Q214	F-1 *	Q630	G-8	RV107	C-4	RV906	J-4		
FB3	A-4 *	IC511	C-7	Q215	F-1 *	Q631	K-9	RV201	G-3	RV907	K-1		
FB4	C-9	IC601	K-7	Q216	F-3 *	Q632	J-9	RV203	E-1	RV1001	K-2		
FB101	A-3	IC602	K-8	Q218	F-3 *	Q633	G-6 *	RV204	E-1				
FB102	A-1 *	IC603	K-6 *	Q219	F-4	Q701	K-8 *	RV206	F-1	S1	B-9		
FB103	B-2 *	IC604	H-7 *	Q301	E-5 *	Q702	J-7 *	RV207	F-1	S2	H-6		
FB104	C-1	IC605	H-8	Q302	E-5 *	Q703	J-6 *	RV208	F-1	S201	F-1		
FB105	B-1	IC606	G-8	Q303	F-5 *	Q704	J-6	RV209	F-1				
FB500	C-7	IC607	G-5	Q304	F-5 *	Q705	J-6	RV210	F-1	TP1	B-5		
FB501	C-7 *	IC609	H-6 *	Q306	F-6 *	Q706	J-7	RV211	F-2	TP2	A-4		
		IC610	G-7 *	Q307	E-5 *	Q707	H-8 *	RV212	G-2	TP3	A-4		
FL1	B-5	IC611	H-5 *	Q308	D-6 *	Q708	J-6 *	RV301	F-5	TP5	A-6		
FL101	B-3	IC612	K-7	Q309	D-6 *	Q709	H-8 *	RV302	F-5	TP6	A-6		
FL102	A-1	IC613	H-8	Q310	D-6 *	Q710	J-8 *	RV303	F-6	TP7	A-5		
FL103	B-3	IC614	J-9	Q311	E-5 *	Q712	J-6 *	RV304	E-6	TP8	A-5		
FL104	B-4	IC702	K-8	Q312	E-6 *	Q713	J-7 *	RV306	D-5	TP101	B-2		
FL201	F-4	IC703	J-8	Q313	E-6 *	Q714	J-7	RV307	D-6	TP102	A-1		
FL301	F-5	IC704	K-7 *	Q314	E-6 *	Q730	E-8	RV308	D-6	TP201	E-3		
FL401	D-5	IC706	J-7 *	Q315	E-6 *	Q731	K-9	RV309	F-7	TP202	F-1		
FL801	H-3	IC707	J-6	Q317	E-6 *	Q732	K-8	RV310	E-7	TP203	G-2		
FL802	H-2	IC708	K-8	Q402	D-5 *	Q801	G-5	RV311	E-7	TP206	F-1		
FL803	G-2	IC801	H-4	Q403	D-5 *	Q802	G-4	RV312	E-7	TP207	F-4		
FL901	J-3	IC802	H-2 *	Q404	C-5 *	Q803	G-4	RV313	D-6	TP208	F-3		
		IC803	H-1	Q405	C-5 *	Q804	G-5 *	RV314	E-6	TP301	E-5		
IC1	B-9	IC804	G-1	Q406	B-6 *	Q805	G-4 *	RV401	D-5	TP302	F-6		
IC2	A-8	IC806	K-6	Q407	B-6 *	Q806	G-4 *	RV406	B-5	TP303	E-6		
IC3	A-8 *	IC807	H-4 *	Q408	B-6 *	Q807	G-4 *	RV407	B-6	TP307	D-5		
IC4	C-8 *	IC818	H-1 *	Q409	C-5 *	Q808	H-5 *	RV408	B-6	TP308	E-6		
IC5	B-4	IC901	J-4	Q410	D-6 *	Q809	H-4 *	RV409	C-6	TP401	C-5		

* mark; B SIDE mount.



VRP-1 —A SIDE—

1-638-693-15 (1)

BVW-50

BVW-50P

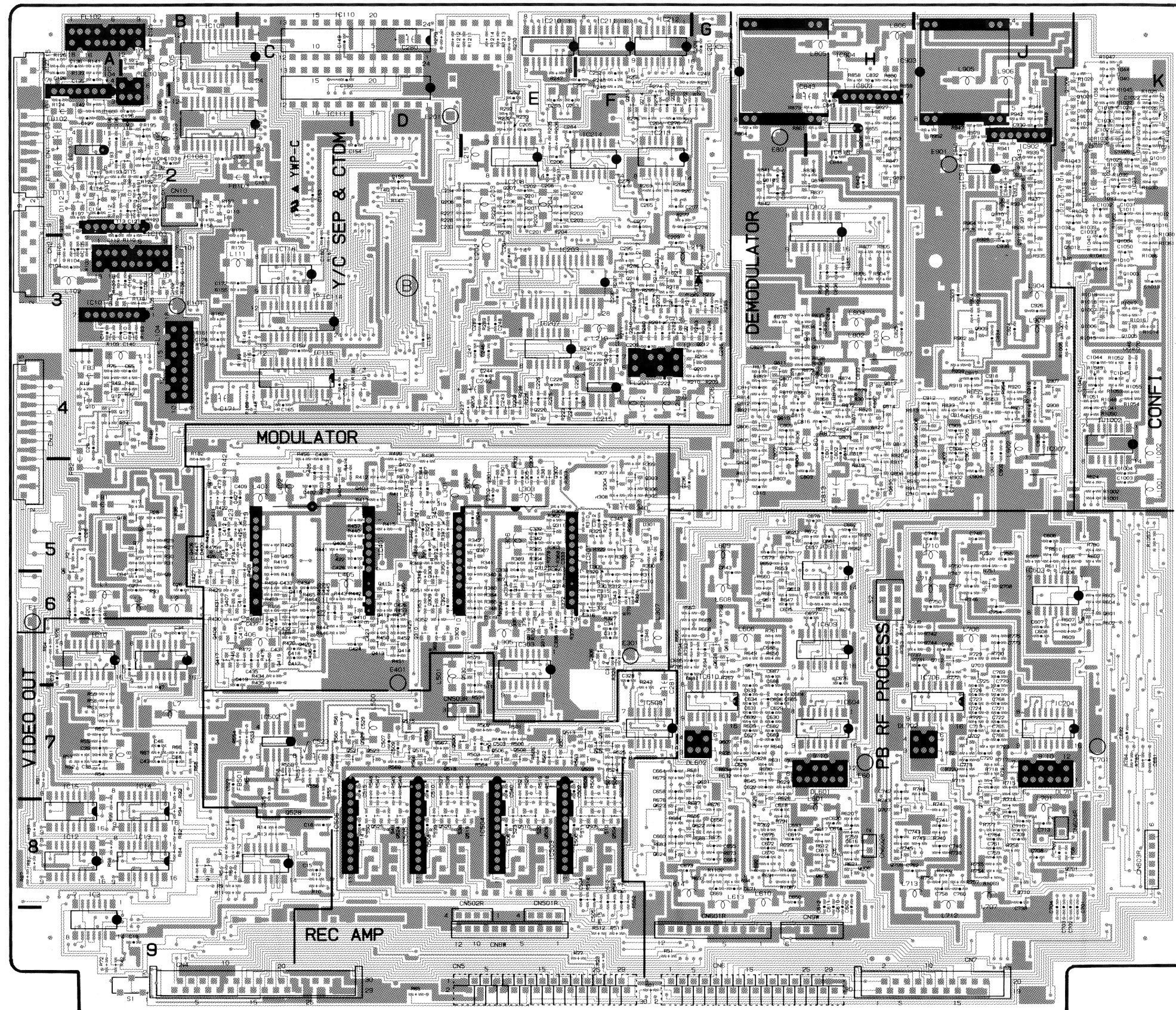
VRP-1 ; Y/C SEPARATOR & CTDM
MODULATOR/DEMODULATOR
VIDEO OUTPUT/REC AMPLIFIER

VRP-1 VRP-1

VRP-1 (1-638-693-15)

CN1	A-2 *	IC6	B-5	IC902	J-2	Q412	D-6 *	Q810	G-4 *	RV410	C-6	TP402	D-5
CN2	A-3 *	IC7	A-6	IC903	J-1	Q413	D-6 *	Q811	G-4 *	RV411	D-6	TP403	C-6
CN3	A-4 *	IC8	B-4	IC907	K-5 *	Q414	D-6 *	Q812	H-4 *	RV412	D-6	TP407	B-5
CN4	C-9 *	IC9	B-6	IC918	J-2 *	Q415	D-6 *	Q813	H-4 *	RV413	B-6	TP408	D-5
CN5	E-9	IC10	A-6 *	IC1001	K-3	Q417	B-6 *	Q814	H-4 *	RV414	D-6	TP501	E-7
CN6	G-9	IC11	B-7	IC1002	K-4 *	Q418	C-6 *	Q815	G-3 *	RV501	F-7	TP502	E-7
CN7	J-9 *	IC12	A-8 *	IC1003	K-3	Q419	C-6 *	Q816	H-2 *	RV502	E-7	TP503	D-7
CN8	E-9 *	IC13	B-8 *	IC1004	K-2	Q420	C-6 *	Q817	H-3 *	RV503	E-7	TP504	D-7
CN9	H-9 *	IC14	B-7 *	IC1005	K-4 *	Q500	E-7 *	Q818	G-2 *	RV504	D-7	TP505	D-9
CN10	B-2 *	IC15	A-7 *	IC1006	K-5 *	Q501	E-7 *	Q819	H-5	RV511	F-7	TP506	D-7
CN501	E-9	IC16	A-9	IC1007	K-3	Q502	E-7	Q822	H-2	RV512	E-7	TP602	H-8
CN502	E-9	IC17	A-6			Q503	F-7 *	Q823	H-2	RV513	D-7	TP603	G-7
CN503	E-7	IC18	C-9	LV201	E-3	Q504	F-8 *	Q824	H-2	RV514	D-7	TP604	G-6
CN601	G-9 *	IC101	B-3			Q505	F-8 *	Q825	H-2 *	RV521	F-7	TP605	G-6
CN602	H-8	IC103	B-2	Q1	B-8 *	Q506	E-7 *	Q826	H-2 *	RV522	E-7	TP606	G-6
CN603	K-8	IC104	A-1	Q2	C-8	Q507	E-7	Q827	H-1 *	RV523	D-7	TP607	G-8
CN604	K-8	IC105	A-2 *	Q3	C-8	Q508	E-7 *	Q901	J-5	RV524	D-7	TP610	H-9
		IC108	C-1	Q4	C-8	Q509	E-8 *	Q902	J-4	RV531	F-8	TP701	H-9
COP501	E-8	IC109	C-1 *	Q5	B-8	Q510	E-8 *	Q903	J-4	RV532	E-8	TP702	K-8
COP502	E-8	IC110	D-1	Q6	A-6 *	Q511	F-7 *	Q904	J-5 *	RV533	E-8	TP703	J-7
COP503	E-8	IC111	D-1	Q7	B-5 *	Q512	F-7 *	Q905	J-4 *	RV534	D-8	TP704	H-7
COP504	D-8	IC112	C-3	Q8	B-5 *	Q513	F-7 *	Q906	J-4 *	RV541	F-8	TP705	J-6
COR501	E-8	IC113	D-4	Q9	B-6 *	Q514	F-7 *	Q907	K-4 *	RV542	E-8	TP706	J-6
COR502	E-8	IC114	C-3 *	Q10	A-4 *	Q515	D-7 *	Q908	K-4 *	RV543	D-8	TP707	J-8
COR503	E-8	IC115	C-4 *	Q11	A-4	Q516	D-7 *	Q909	J-3 *	RV544	D-8	TP801	G-5
COR504	D-8	IC116	B-4	Q12	A-4 *	Q517	D-7	Q910	J-2 *	RV601	H-7	TP802	G-5
		IC118	C-3 *	Q13	A-5	Q518	D-7 *	Q913	K-2	RV602	H-7	TP803	H-2
DL101	B-1	IC120	B-2	Q14	B-4	Q519	E-8 *	Q914	K-2	RV603	H-7	TP805	G-2
DL201	E-1	IC121	C-1	Q16	A-7	Q520	D-8 *	Q915	K-3	RV604	H-7	TP901	J-5
DL601	H-7	IC122	B-1	Q17	A-4 *	Q521	D-7 *	Q916	K-3 *	RV605	G-6	TP902	J-5
DL602	G-7	IC201	E-2	Q18	B-5 *	Q522	C-7	Q917	K-2 *	RV606	H-7	TP903	J-2
DL701	K-7	IC203	F-3 *	Q19	B-4 *	Q523	D-7 *	Q918	K-2 *	RV607	H-7	TP905	J-2
DL702	J-7	IC204	F-2	Q21	B-4	Q524	D-8 *	Q919	K-2	RV608	G-7	TP906	J-4
		IC205	F-4	Q101	A-3	Q525	D-8 *	Q1001	K-5	RV609	G-6		
D101	A-2 *	IC206	E-4	Q102	B-3 *	Q526	C-7	Q1002	K-4	RV610	F-8	T501	F-8
D102	A-2	IC207	E-3 *	Q103	A-2 *	Q527	C-7 *	Q1003	K-3 *	RV611	F-7	T502	E-8
D103	B-2 *	IC208	E-2 *	Q104	B-2 *	Q528	C-7 *	Q1004	K-2 *	RV612	G-8	T503	D-8
D111	A-2 *	IC209	G-5	Q105	A-3 *	Q529	D-7 *	Q1005	K-3 *	RV613	G-8	T504	D-8
D112	A-2 *	IC210	E-1 *	Q106	A-1	Q601	K-6 *	Q1006	K-3 *	RV614	H-6		
D121	A-2	IC211	F-1 *	Q107	B-1 *	Q602	K-5	Q1007	K-3 *	RV701	J-7	X201	E-4
D122	A-2	IC212	F-1 *	Q108	A-2	Q603	K-6	Q1008	K-1 *	RV702	K-7	X202	E-1
D201	F-3	IC213	F-2 *	Q109	A-1	Q604	K-6	Q1009	K-1 *	RV703	J-7		
D202	E-4	IC214	F-2 *	Q110	B-2 *	Q605	H-8 *	Q1010	K-2 *	RV704	K-7		
D204	D-4	IC215	F-4 *	Q111	B-4	Q606	H-8 *	Q1011	K-2 *	RV705	J-6		
D205	F-4	IC216	E-3	Q112	C-4	Q607	G-7 *	Q1012	K-2 *	RV706	J-7		
D301	F-5 *	IC217	F-3	Q113	C-4	Q608	H-6	Q1013	K-3 *	RV707	K-7		
D302	D-6 *	IC218	E-4	Q114	D-4 *	Q609	H-6	Q1014	K-2 *	RV708	J-7		
D400	B-6 *	IC219	D-4	Q115	B-2 *	Q610	G-6	Q1015	K-2 *	RV709	J-6		
D500	C-7	IC220	C-4	Q116	B-2 *	Q611	G-6 *	Q1017	K-4	RV710	H-8		
D1001	K-5	IC221	D-3	Q117	A-2 *	Q612	G-6			RV711	H-7		
D1002	K-1 *	IC222	E-4	Q119	A-2	Q613	G-6 *	RV1	A-6	RV712	J-8		
D1003	K-2	IC223	E-3	Q201	E-2 *	Q614	G-6	RV2	A-6	RV713	J-8		
		IC301	E-5	Q202	E-2 *	Q615	G-6	RV3	A-5	RV801	H-5		
E1	A-6	IC302	F-5	Q203	G-4 *	Q617	G-6 *	RV5	B-7	RV802	H-2		
E101	B-3	IC303	E-6 *	Q204	G-3 *	Q618	G-6	RV7	A-7	RV803	H-3		
E201	D-1	IC401	D-5	Q205	F-3 *	Q619	G-7	RV8	A-8	RV804	H-4		
E301	F-6	IC402	C-6	Q206	E-2 *	Q620	G-5 *	RV9	B-8	RV805	H-4		
E401	D-6	IC501	F-9	Q207	E-2 *	Q621	G-7 *	RV10	B-7	RV806	G-4		
E601	H-7	IC502	C-7 *	Q208	E-4 *	Q622	G-8 *	RV101	A-3	RV807	H-1		
E701	K-7	IC503	E-7	Q209	E-4 *	Q623	F-8 *	RV102	A-3	RV901	J-5		
E801	G-2	IC504	E-7	Q210	F-3 *	Q624	F-8 *	RV103	A-2	RV902	H-3		
E901	J-2	IC505	D-7	Q211	F-3 *	Q626	G-7 *	RV104	A-1	RV903	H-3		
		IC506	C-7	Q212	G-3 *	Q627	G-7	RV105	C-4	RV904	K-4		
FB1	A-5 *	IC508	F-7 *	Q213	F-1 *	Q628	G-6 *	RV106	C-4	RV905	K-4		
FB2	A-5 *	IC510	C-7	Q214	F-1 *	Q630	G-8	RV107	C-4	RV906	J-4		
FB3	A-4 *	IC511	C-7	Q215	F-1 *	Q631	K-9	RV201	G-3	RV907	K-1		
FB4	C-9	IC601	K-7	Q216	F-3 *	Q632	J-9	RV203	E-1	RV1001	K-2		
FB101	A-3	IC602	K-8	Q218	F-3 *	Q633	G-6 *	RV204	E-1				
FB102	A-1 *	IC603	K-6 *	Q219	F-4	Q701	K-8 *	RV206	F-1	S1	B-9		
FB103	B-2 *	IC604	H-7 *	Q301	E-5 *	Q702	J-7 *	RV207	F-1	S2	H-6		
FB104	C-1	IC605	H-8	Q302	E-5 *	Q703	J-6 *	RV208	F-1	S201	F-1		
FB105	B-1	IC606	G-8	Q303	F-5 *	Q704	J-6	RV209	F-1				
FB500	C-7	IC607	G-5	Q304	F-5 *	Q705	J-6	RV210	F-1	TP1	B-5		
FB501	C-7 *	IC609	H-6 *	Q306	F-6 *	Q706	J-7	RV211	F-2	TP2	A-4		
		IC610	G-7 *	Q307	E-5 *	Q707	H-8 *	RV212	G-2	TP3	A-4		
FL1	B-5	IC611	H-5 *	Q308	D-6 *	Q708	J-6 *	RV301	F-5	TP5	A-6		
FL101	B-3	IC612	K-7	Q309	D-6 *	Q709	H-8 *	RV302	F-5	TP6	A-6		
FL102	A-1	IC613	H-8	Q310	D-6 *	Q710	J-8 *	RV303	F-6	TP7	A-5		
FL103	B-3	IC614	J-9	Q311	E-5 *	Q712	J-6 *	RV304	E-6	TP8	A-5		
FL104	B-4	IC702	K-8	Q312	E-6 *	Q713	J-7 *	RV306	D-5	TP101	B-2		
FL201	F-4	IC703	J-8	Q313	E-6 *	Q714	J-7	RV307	D-6	TP102	A-1		
FL301	F-5	IC704	K-7 *	Q314	E-6 *	Q730	J-8	RV308	D-6	TP201	E-3		
FL401	D-5	IC706	J-7 *	Q315	E-6 *	Q731	K-9	RV309	F-7	TP202	F-1		
FL801	H-3	IC707	J-6	Q317	E-6 *	Q732	K-8	RV310	E-7	TP203	G-2		
FL802	H-2	IC708	K-8	Q402	D-5 *	Q801	G-5	RV311	E-7	TP206	F-1		
FL803	G-2	IC801	H-4	Q403	D-5 *	Q802	G-4	RV312	E-7	TP207	F-4		
FL901	J-3	IC802	H-2 *	Q404	C-5 *	Q803	G-4	RV313	D-6	TP208	F-3		
		IC803	H-1	Q405	C-5 *	Q804	G-5 *	RV314	E-6	TP301	E-5		
IC1	B-9	IC804	G-1	Q406	B-6 *	Q805	G-4 *	RV401	D-5	TP302	F-6		
IC2	A-8	IC806	K-6	Q407	B-6 *	Q806	G-4 *	RV406	B-5	TP303	E-6		
IC3	A-8 *	IC807	H-4 *	Q408	B-6 *	Q807	G-4 *	RV407	B-6	TP307	D-5		
IC4	C-8 *	IC818	H-1 *	Q409	C-5 *	Q808	H-5 *	RV408	B-6	TP308	E-6		
IC5	B-4	IC901	J-4	Q410	D-6 *	Q809	H-4 *	RV409	C-6	TP401	C-5		

* mark; B SIDE mount.

**VRP-1 —B SIDE—**

1-638-693-15 (1)

BVW-50

BVW-50P

TBC-19 ; TIME BASE CORRECTOR
VIDEO ENCODER

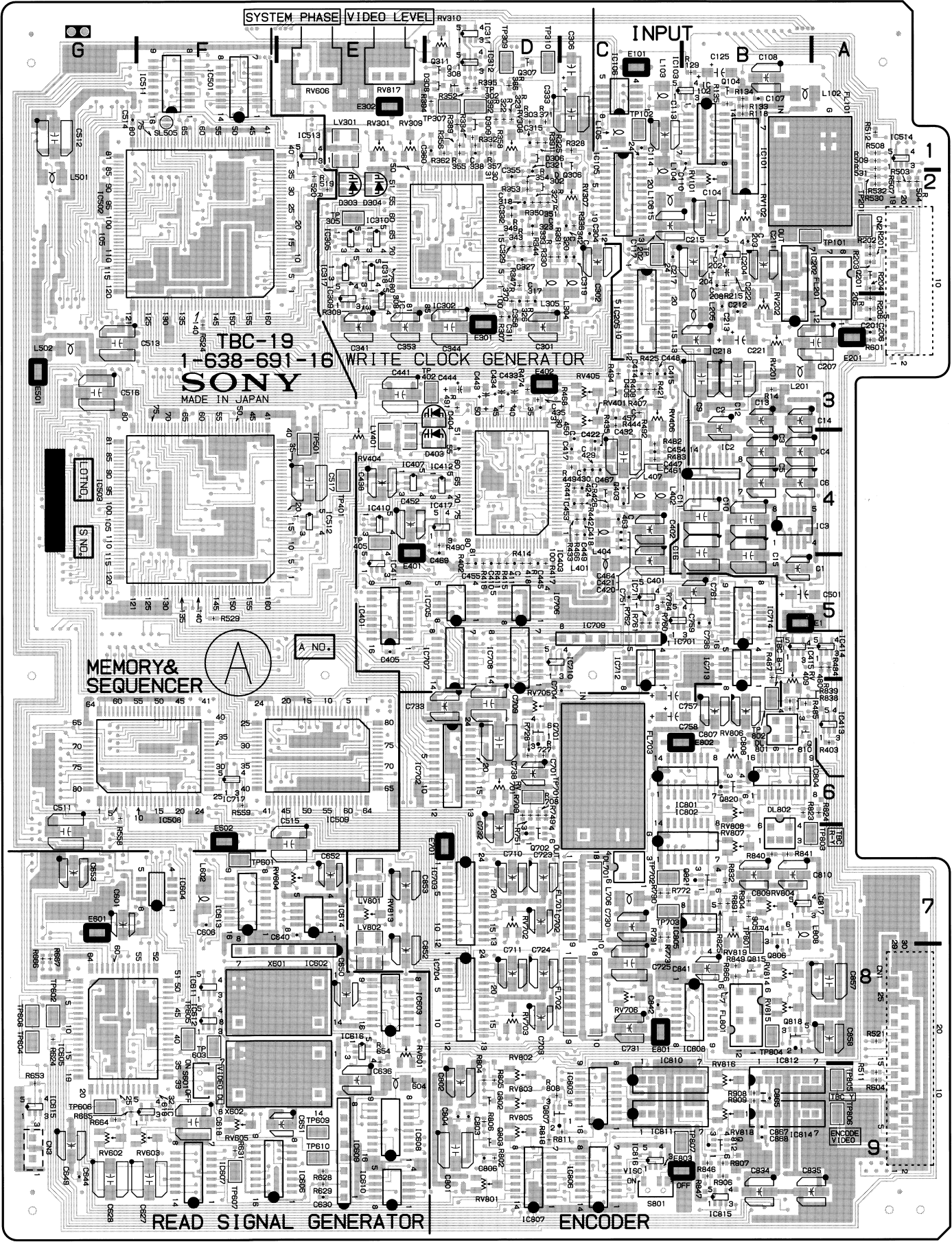
BVW-50 (UC) : S/N 10829 and Higher
BVW-50 (J) : S/N 10576 and Higher

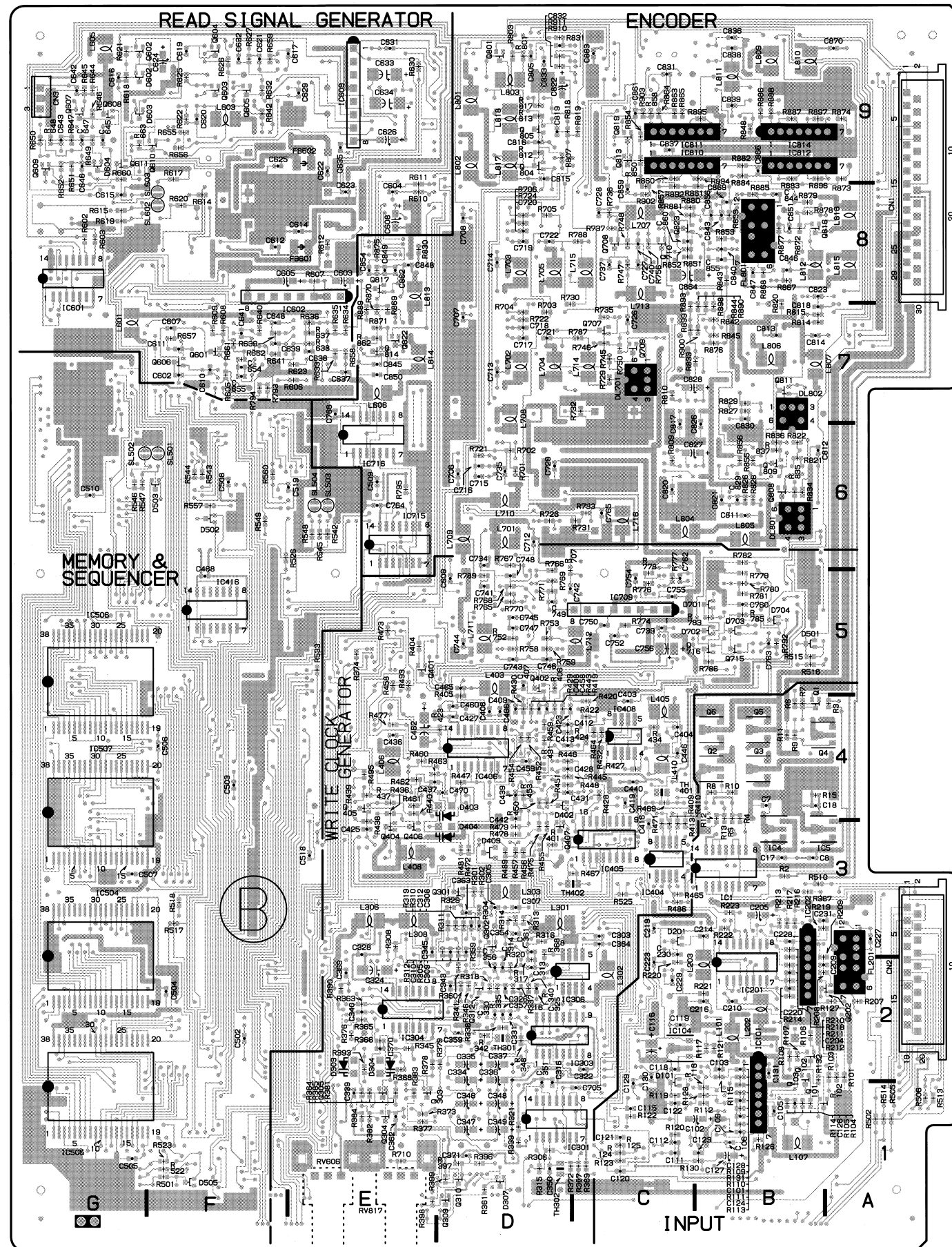
TBC-19 (1-638-691-16)

CN1	A-8 *	IC408	C-4 *	Q308	D-1	S601	F-9
CN2	A-2 *	IC411	E-5	Q309	D-1 *	S801	C-9
CN3	G-9 *	IC412	D-4	Q310	D-1 *		
		IC413	A-6	Q311	D-1	TH301	D-2 *
DL701	C-7	IC415	B-5	Q312	D-2 *	TH302	D-1 *
DL801	B-6	IC416	F-5 *	Q401	E-5 *	TH401	C-4 *
DL802	B-7	IC417	D-4	Q402	D-5 *	TH402	C-3 *
		IC501	F-1	Q403	C-4		
D101	C-2 *	IC502	F-2	Q404	E-3 *	TP101	B-2
D201	C-3 *	IC503	F-4	Q405	E-4 *	TP102	C-1
D302	D-2	IC504	G-2	Q406	E-3 *	TP201	A-2
D303	E-2	IC505	G-1 *	Q407	D-3 *	TP202	C-2
D304	E-2	IC506	G-4 *	Q601	F-7 *	TP302	D-1
D306	D-1	IC507	G-3 *	Q602	G-9 *	TP305	E-2
D307	D-1 *	IC508	F-6	Q603	F-9 *	TP307	D-1
D308	D-1	IC509	E-6	Q604	F-9 *	TP309	D-1
D309	D-1	IC511	F-1	Q605	F-9 *	TP310	D-1
D402	D-4 *	IC512	E-4	Q606	F-7 *	TP402	D-3
D403	D-4	IC514	A-1	Q607	G-9 *	TP405	E-4
D404	D-3	IC601	G-8 *	Q608	G-9 *	TP501	E-4
D406	C-3	IC602	E-8	Q609	G-9 *	TP601	F-7
D409	D-3 *	IC603	E-8	Q610	F-9 *	TP602	G-8
D501	B-5 *	IC604	F-7	Q611	G-9 *	TP603	F-8
D502	F-6 *	IC605	G-8	Q701	D-6	TP604	G-8
D503	F-6 *	IC606	E-9	Q702	D-7	TP605	F-8
D505	F-1 *	IC607	F-9	Q707	C-7 *	TP606	G-9
D506	F-6 *	IC608	E-9	Q708	C-8 *	TP607	F-9
D602	G-9 *	IC609	E-9	Q709	C-7 *	TP608	G-8
D603	G-9 *	IC610	E-9	Q710	C-8 *	TP609	E-9
D604	G-9 *	IC611	F-8	Q715	B-5 *	TP610	E-9
D701	B-5 *	IC612	F-8	Q716	B-5 *	TP701	D-6
D702	B-5 *	IC613	F-7	Q801	D-9 *	TP702	C-7
D703	B-5 *	IC614	E-7	Q802	D-9 *	TP703	C-7
D704	B-5 *	IC615	G-9	Q803	D-9 *	TP801	B-8
		IC616	E-8	Q804	D-9 *	TP802	B-6
		IC618	F-9	Q805	D-9 *	TP803	B-7
E1	B-5	IC701	C-5	Q806	B-7	TP804	B-8
E101	C-1	IC702	D-6	Q807	C-9	TP805	A-9
E201	A-3	IC703	D-7	Q808	B-6 *	TP806	A-9
E301	D-3	IC704	D-8	Q809	B-6 *	TP807	B-9
E302	E-1	IC705	D-5	Q810	B-6		
E401	E-4	IC706	D-5	Q811	B-7 *		
E402	D-3	IC707	D-5	Q812	B-9 *		
E501	G-3	IC708	D-5	Q813	C-9 *		
E502	F-7	IC709	C-5	Q814	E-7 *		
E601	G-7	IC710	C-5	Q815	B-8		
E701	D-7	IC711	C-5	Q816	B-8 *		
E801	C-8	IC712	C-5	Q817	E-8 *		
E802	B-6	IC713	B-5	Q818	B-8		
E803	B-9	IC714	B-5	Q819	C-9 *		
		IC715	E-5 *	Q820	B-6		
FB601	E-8 *	IC716	E-6 *	Q821	B-7		
FB602	E-9 *	IC717	F-6	Q822	E-7 *		
		IC801	C-6	Q823	C-8 *		
FL101	B-2	IC802	C-7				
FL201	A-2	IC803	C-9	RV101	B-2		
FL701	C-7	IC804	B-6	RV102	B-2		
FL702	C-8	IC805	B-7	RV201	B-3		
FL703	C-6	IC806	C-9	RV202	B-3		
FL801	B-8	IC807	D-9	RV301	E-1		
		IC808	C-8	RV307	C-2		
IC1	B-3 *	IC810	C-9	RV308	D-1		
IC2	B-4	IC811	C-9	RV309	E-1		
IC3	B-4	IC812	B-9	RV310	D-1		
IC4	B-3 *	IC814	B-9	RV401	C-3		
IC101	B-2	IC815	B-9	RV404	E-3		
IC102	B-1	IC816	C-9	RV405	C-3		
IC103	B-1			RV406	C-3		
IC104	C-2 *			RV409	B-5		
IC105	C-1			RV601	E-8		
IC106	C-1	LV301	B-7	RV602	F-9		
IC201	B-2 *	LV401	E-4	RV603	G-9		
IC202	B-3	LV801	E-7	RV605	F-9		
IC204	B-2	LV802		RV606	E-1		
IC205	C-2			RV701	D-6		
IC301	D-1 *	Q1	E-8	RV702	D-7		
IC302	D-2	Q2	B-4 *	RV703	D-8		
IC303	D-2 *	Q3	B-4 *	RV705	D-6		
IC304	E-2 *	Q4	B-4 *	RV706	C-8		
IC305	E-2	Q5	B-4 *	RV801	D-9		
IC306	D-2 *	Q6	B-4 *	RV802	D-9		
IC308	E-3	Q101	B-1 *	RV803	D-9		
IC309	E-3	Q102	B-2 *	RV804	B-7		
IC310	E-2	Q103	B-2 *	RV805	D-9		
IC311	D-1	Q104	B-1	RV806	B-6		
IC312	D-1	Q201	A-2	RV807	B-7		
IC317	E-2	Q202	B-2 *	RV808	B-6		
IC318	E-2	Q301	D-3 *	RV813	E-7		
IC401	E-5	Q302	D-3 *	RV814	B-8		
IC403	D-4	Q303	E-1 *	RV815	B-8		
IC404	C-3	Q304	E-1 *	RV816	B-9		
IC405	C-3 *	Q305	E-1 *	RV817	E-1		
IC406	D-4	Q306	C-1				
IC407	E-4	Q307	D-1	RV818	B-9		

* mark; B SIDE mount.

TBC-19 —A SIDE—
1-638-691-16 (1)
BVW-50
BVW-50P



**TBC-19 —B SIDE—**

1-638-691-16 (1)

BVW-50

BVW-50P

TBC-19 (1-638-691-16)

CN1	A-8 *	IC407	E-4	Q307	D-1	RV818	B-9
CN2	A-2 *	IC408	C-4	Q308	D-1		
CN3	G-9 *	IC411	E-5	Q309	D-1 *	S601	F-9
		IC412	D-4	Q310	D-1 *	S801	C-9
DL701	C-7	IC413	A-6	Q311	D-1		
DL801	B-6	IC415	B-5	Q312	D-2 *	TH301	D-2 *
DL802	B-7	IC416	F-5 *	Q401	E-5 *	TH302	D-1 *
		IC417	D-4	Q402	D-5 *	TH401	C-4 *
D101	C-2 *	IC501	F-1	Q403	C-4	TH402	C-3 *
D201	C-3 *	IC502	F-2	Q404	E-3 *		
D302	D-2	IC503	F-4	Q405	E-4 *	TP101	B-2
D303	E-2	IC504	G-2	Q406	E-3 *	TP102	C-1
D304	E-2	IC505	G-1 *	Q407	D-3 *	TP201	A-2
D306	D-1	IC506	G-4 *	Q601	F-7 *	TP202	C-2
D307	D-1	IC507	G-3 *	Q602	G-9 *	TP302	D-1
D308	D-1	IC508	F-6	Q603	F-9 *	TP305	E-2
D309	D-1	IC509	E-6	Q604	F-9 *	TP307	D-1
D402	D-4	IC511	F-1	Q605	F-9 *	TP309	D-1
D403	D-4	IC512	E-4	Q606	F-7 *	TP310	D-1
D404	D-3	IC514	A-1	Q607	G-9 *	TP402	D-3
D406	C-3	IC601	G-8 *	Q608	G-9 *	TP405	E-4
D409	D-3 *	IC602	E-8	Q609	G-9 *	TP501	E-4
D501	B-5 *	IC603	E-8	Q610	F-9 *	TP601	F-7
D502	F-6 *	IC604	F-7	Q611	G-9 *	TP602	G-8
D503	F-6 *	IC605	G-8	Q701	D-6	TP603	F-8
D505	F-1 *	IC606	E-9	Q702	D-7	TP604	G-8
D506	F-6 *	IC607	F-9	Q707	C-7 *	TP605	F-8
D602	G-9 *	IC608	E-9	Q708	C-8 *	TP606	G-9
D603	G-9 *	IC609	E-9	Q709	C-7 *	TP607	F-9
D604	G-9 *	IC610	E-9	Q710	C-8 *	TP608	G-8
D701	B-5 *	IC611	F-8	Q715	B-5 *	TP609	E-9
D702	B-5 *	IC612	F-8	Q716	B-5 *	TP610	E-9
D703	B-5 *	IC613	F-7	Q801	D-9 *	TP701	D-6
D704	B-5 *	IC614	E-7	Q802	D-9	TP702	C-7
		IC615	G-9	Q803	D-9	TP703	C-7
E1	B-5	IC616	E-8	Q804	D-9 *	TP801	B-8
E101	C-1	IC618	F-9	Q805	D-9 *	TP802	B-6
E201	A-3	IC701	C-5	Q806	B-7	TP803	B-7
E301	D-3	IC702	D-6	Q807	C-9	TP804	B-8
E302	E-1	IC703	D-7	Q808	B-6 *	TP805	A-9
E401	E-4	IC704	D-8	Q809	B-6 *	TP806	A-9
E402	D-3	IC705	D-5	Q810	B-6	TP807	B-9
E501	G-3	IC706	D-5	Q811	B-7 *		
E502	F-7	IC707	D-5	Q812	B-9	X601	E-8
E601	G-7	IC708	D-5	Q813	C-9 *	X602	F-9
E701	D-7	IC709	C-5	Q814	E-7 *		
E801	C-8	IC710	C-5	Q815	B-8		
E802	B-6	IC711	C-5	Q816	B-8 *		
E803	B-9	IC712	C-5	Q817	E-8 *		
		IC713	B-5	Q818	B-8		
FB601	E-8 *	IC714	B-5	Q819	C-9 *		
FB602	E-9 *	IC715	E-5	Q820	B-6		
		IC716	E-6 *	Q821	B-7		
FL101	B-2	IC717	F-6	Q822	E-7 *		
FL201	A-2	IC801	C-6	Q823	C-8 *		
FL701	C-7	IC802	C-7				
FL702	C-8	IC803	C-9	RV101	B-2		
FL703	C-6	IC804	B-6	RV102	B-2		
FL801	B-8	IC805	B-7	RV201	B-3		
		IC806	C-9	RV202	B-3		
IC1	B-3 *	IC807	D-9	RV301	E-1		
IC2	B-4	IC808	C-8	RV307	C-2		
IC3	B-4	IC810	C-9	RV308	D-1		
IC4	B-3 *	IC811	C-9	RV309	E-1		
IC5	B-3 *	IC812	B-9	RV310	D-1		
IC101	B-2	IC814	B-9	RV401	C-3		
IC102	B-1	IC815	B-9	RV404	E-3		
IC103	B-1	IC816	C-9	RV405	C-3		
IC104	C-2 *	IC817		RV406	C-3		
IC105	C-1			RV409	B-5		
IC106	C-1	LV301	E-1	RV601	E-8		
IC201	B-2 *	LV401	E-4	RV602	G-9		
IC202	B-3	LV801	E-7	RV603	F-9		
IC204	B-2	LV802		RV605	F-9		
IC205	C-2			RV606	E-1		
IC301	D-1 *	Q1	E-8	RV701	D-6		
IC302	D-2 *	Q2	B-4 *	RV702	D-7		
IC303	D-2 *	Q3	B-4 *	RV703	D-8		
IC304	E-2 *	Q4	B-4 *	RV705	D-6		
IC305	E-2	Q5	B-4 *	RV706	C-8		
IC306	D-2 *	Q6	B-4 *	RV801	D-9		
IC308	E-3	Q101	B-1 *	RV802	D-9		
IC309	E-3	Q102	B-2 *	RV803	D-9		
IC310	E-2	Q103	B-2 *	RV804	B-7		
IC311	D-1	Q104	B-1	RV805	D-9		
IC312	D-1	Q201	A-2	RV806	B-6		
IC317	E-2	Q202	B-2 *	RV807	B-7		
IC318	E-2	Q301	D-3 *	RV808	B-6		
IC401	E-5	Q302	D-3 *	RV813	E-7		
IC403	D-4	Q303	E-1 *	RV814	B-8		
IC404	C-3 *	Q304	E-1 *	RV815	B-8		
IC405	C-3 *	Q305	E-1 *	RV816	B-9		
IC406	D-4 *	Q306	C-1	RV817	E-1		

* mark; B SIDE mount.

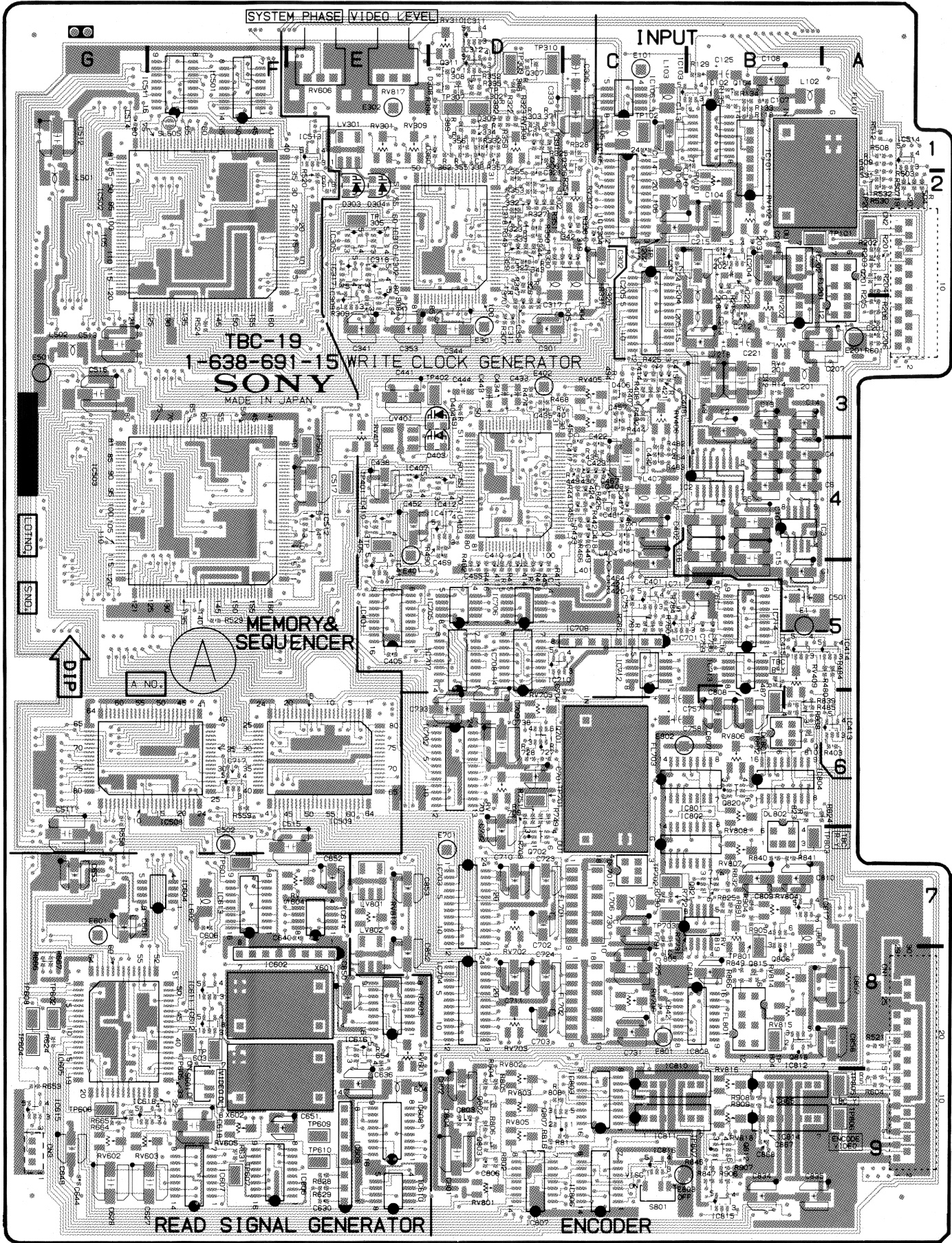
TBC-19 ; TIME BASE CORRECTOR
VIDEO ENCODER

BVW-50 (UC) : Up to S/N 10828
BVW-50 (J) : Up to S/N 10575

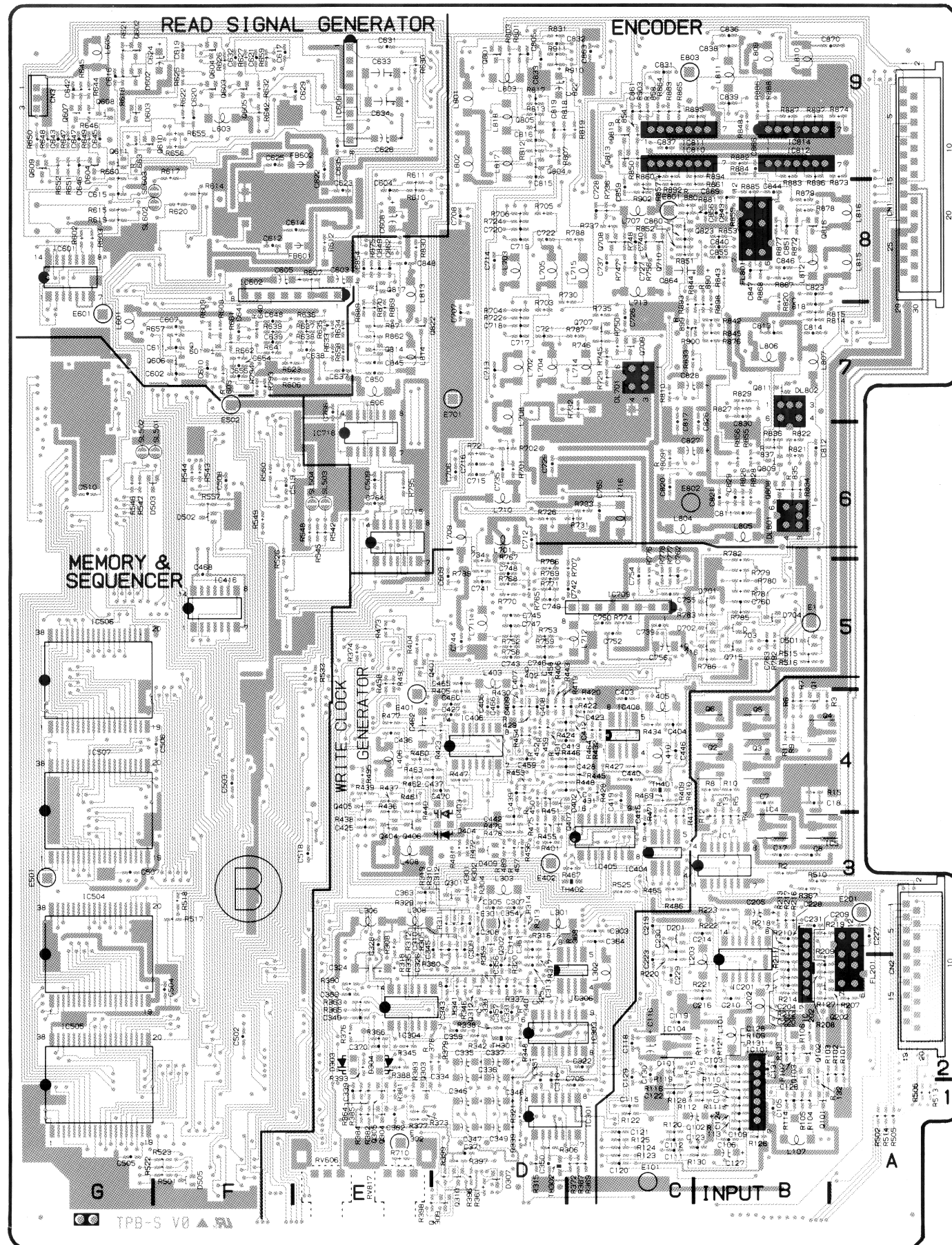
TBC-19 (1-638-691-15)

CN1	A-8 *	IC407	E-4	Q307	D-1	RV818	B-9
CN2	A-2 *	IC408	C-4 *	Q308	D-1		
CN3	G-9 *	IC411	E-5	Q309	D-1 *	S601	F-9
		IC412	D-4	Q310	D-1 *	S801	C-9
DL701	C-7	IC413	A-6	Q311	D-1		
DL801	B-6	IC415	B-5	Q312	D-2 *	TH301	D-2 *
DL802	B-7	IC416	F-5 *	Q401	D-1 *	TH302	D-1 *
		IC417	D-4	Q402	D-5 *	TH401	C-4 *
D101	C-2 *	IC501	F-1	Q403	C-4	TH402	C-3 *
D201	C-3 *	IC502	F-2	Q404	E-3 *		
D302	D-2	IC503	F-4	Q405	E-4 *	TP101	B-2
D303	E-2	IC504	G-2 *	Q406	E-3 *	TP102	C-1
D304	E-2	IC505	G-1 *	Q407	D-3 *	TP201	A-2
D306	D-1	IC506	G-4 *	Q601	F-7 *	TP202	C-2
D307	D-1 *	IC507	G-3 *	Q602	G-9 *	TP302	D-1
D308	D-1	IC508	F-6	Q603	F-9 *	TP305	E-2
D309	D-1	IC509	E-6	Q604	F-9 *	TP307	D-1
D402	D-4 *	IC511	F-1	Q605	F-9 *	TP309	D-1
D403	D-4	IC512	E-4	Q606	F-7 *	TP310	D-1
D404	D-3	IC514	A-1	Q607	G-9 *	TP402	D-3
D406	C-3	IC601	G-8 *	Q608	G-9 *	TP405	E-4
D409	D-3 *	IC602	E-8	Q609	G-9 *	TP501	E-4
D501	B-5 *	IC603	E-8	Q610	F-9 *	TP601	F-7
D502	F-6 *	IC604	F-7	Q611	G-9 *	TP602	G-8
D503	F-6 *	IC605	G-8	Q701	D-6	TP603	F-8
D505	F-1 *	IC606	E-9	Q702	D-7	TP604	G-8
D506	F-6 *	IC607	F-9	Q707	C-7 *	TP605	F-8
D602	G-9 *	IC608	E-9	Q708	C-8 *	TP606	G-9
D603	G-9 *	IC609	E-9	Q709	C-7 *	TP607	F-9
D604	G-9 *	IC610	E-9	Q710	C-8 *	TP608	G-8
D701	B-5 *	IC611	F-8	Q715	B-5 *	TP609	E-9
D702	B-5 *	IC612	F-8	Q716	B-5 *	TP610	E-9
D703	B-5 *	IC613	F-7	Q801	D-9 *	TP701	D-6
D704	B-5 *	IC614	E-7	Q802	D-9	TP702	C-7
		IC615	G-9	Q803	D-9	TP703	C-7
E1	B-5	IC616	E-8	Q804	D-9 *	TP801	B-8
E101	C-1	IC618	F-9	Q805	D-9 *	TP802	B-6
E201	A-3	IC701	C-5	Q806	B-7	TP803	B-7
E301	D-3	IC702	D-6	Q807	C-9	TP804	B-8
E302	E-1	IC703	D-7	Q808	B-6 *	TP805	A-9
E401	E-4	IC704	D-8	Q809	B-6 *	TP806	A-9
E402	D-3	IC705	D-5	Q810	B-6	TP807	B-9
E501	G-3	IC706	D-5	Q811	B-7 *		
E502	F-7	IC707	D-5	Q812	B-9	X601	E-8
E601	G-7	IC708	D-5	Q813	C-9 *	X602	F-9
E701	D-7	IC709	C-5	Q814	E-7 *		
E801	C-8	IC710	C-5	Q815	B-8		
E802	B-6	IC711	C-5	Q816	B-8 *		
E803	B-9	IC712	C-5	Q817	E-8 *		
		IC713	B-5	Q818	B-8		
FB601	E-8 *	IC714	B-5	Q819	C-9 *		
FB602	E-9 *	IC715	E-5	Q820	B-6		
		IC716	E-6 *	Q821	B-7		
FL101	B-2	IC717	F-6	Q822	E-7 *		
FL201	A-2	IC801	C-6	Q823	C-8 *		
FL701	C-7	IC802	C-7				
FL702	C-8	IC803	C-9	RV101	B-2		
FL703	C-6	IC804	B-6	RV102	B-2		
FL801	B-8	IC805	B-7	RV201	B-3		
		IC806	C-9	RV202	B-3		
IC1	B-3 *	IC807	D-9	RV301	E-1		
IC2	B-4	IC808	C-8	RV307	C-2		
IC3	B-4	IC810	C-9	RV308	D-1		
IC4	B-3 *	IC811	C-9	RV309	E-1		
IC5	B-3 *	IC812	B-9	RV310	D-1		
IC101	B-2	IC814	B-9	RV401	C-3		
IC102	B-1	IC815	B-9	RV404	E-3		
IC103	B-1	IC816	C-9	RV405	C-3		
IC104	C-2 *	IC817		RV406	C-3		
IC105	C-1		B-7	RV409	B-5		
IC106	C-1	LV301	E-1	RV601	E-8		
IC201	B-2 *	LV401	E-4	RV602	G-9		
IC202	B-3	LV801	E-7	RV603	F-9		
IC204	B-2	LV802		RV605	F-9		
IC205	C-2		E-8	RV606	E-1		
IC301	D-1 *	Q1	B-4 *	RV701	D-6		
IC302	D-2 *	Q2	B-4 *	RV702	D-7		
IC303	D-2 *	Q3	B-4 *	RV703	D-8		
IC304	E-2 *	Q4	B-4 *	RV705	D-6		
IC305	E-2	Q5	B-4 *	RV706	C-8		
IC306	D-2 *	Q6	B-4 *	RV801	D-9		
IC308	E-3	Q101	B-1 *	RV802	D-9		
IC309	E-3	Q102	B-2 *	RV803	D-9		
IC310	E-2	Q103	B-2 *	RV804	B-7		
IC311	D-1	Q104	B-1	RV805	D-9		
IC312	D-1	Q201	A-2	RV806	B-6		
IC317	E-2	Q202	B-2 *	RV807	B-7		
IC318	E-2	Q301	D-3 *	RV808	B-6		
IC401	E-5	Q302	D-3 *	RV813	E-7		
IC403	D-4	Q303	E-1 *	RV814	B-8		
IC404	C-3 *	Q304	E-1 *	RV815	B-8		
IC405	C-3	Q305	E-1 *	RV816	B-9		
IC406	D-4 *	Q306	C-1	RV817	E-1		

* mark; B SIDE mount.



TBC-19 —A SIDE—
1-638-691-15 (1)
BVW-50
BVW-50P

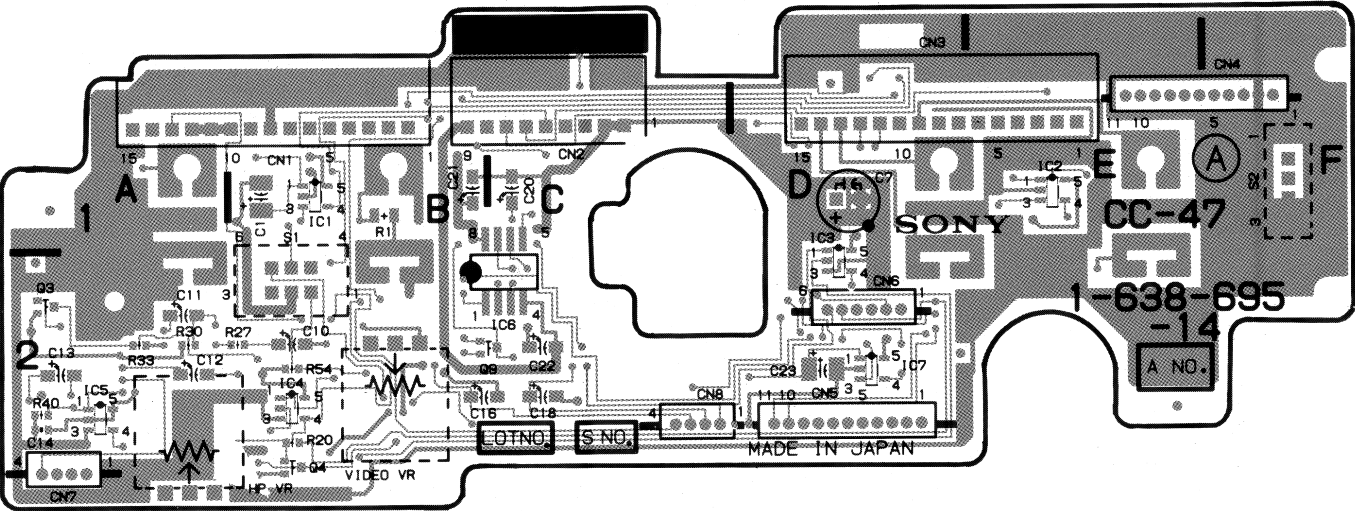


TBC-19 —B SIDE—
 1-638-691-15 (1)
 BVW-50
 BVW-50P

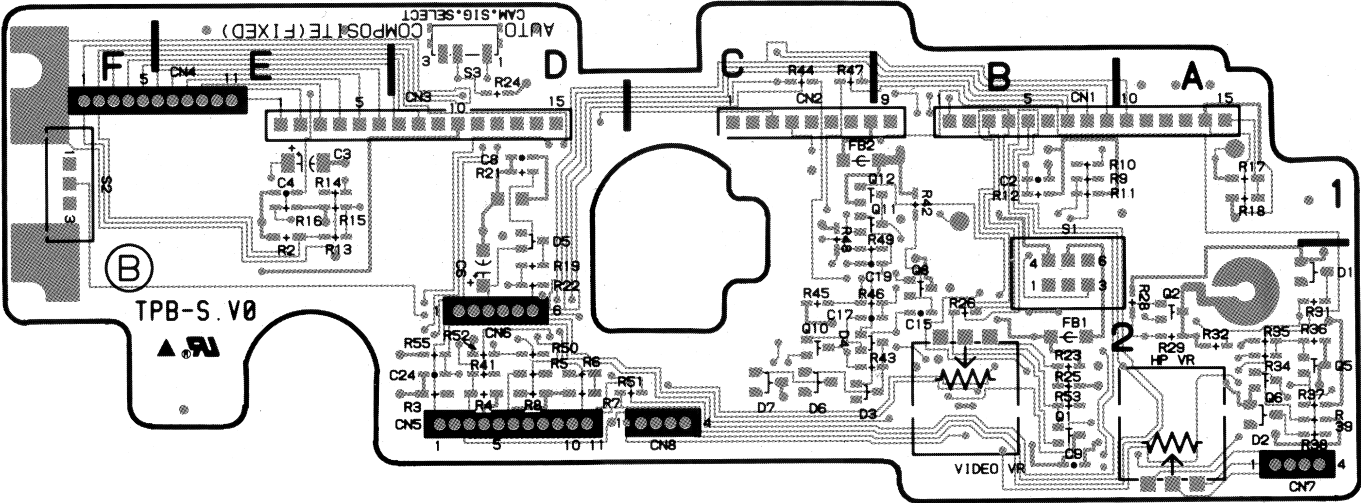
TBC-19 (1-638-691-15)

CN1	A-8 *	IC407	E-4	Q307	D-1	RV818	B-9
CN2	A-2 *	IC408	C-4 *	Q308	D-1		
CN3	G-9 *	IC411	E-5	Q309	D-1 *	S601	F-9
		IC412	D-4	Q310	D-1 *	S801	C-9
DL701	C-7	IC413	A-6	Q311	D-1		
DL801	B-6	IC415	B-5	Q312	D-2 *	TH301	D-2 *
DL802	B-7	IC416	F-5 *	Q401	E-5 *	TH302	D-1 *
		IC417	D-4	Q402	D-5 *	TH401	C-4 *
D101	C-2 *	IC501	F-1	Q403	C-4	TH402	C-3 *
D201	C-3 *	IC502	F-2	Q404	E-3 *		
D302	D-2	IC503	F-4	Q405	E-4 *	TP101	B-2
D303	E-2	IC504	G-2 *	Q406	E-3 *	TP102	C-1
D304	E-2	IC505	G-1	Q407	D-3 *	TP201	A-2
D306	D-1	IC506	G-4 *	Q601	F-7 *	TP202	C-2
D307	D-1 *	IC507	G-3 *	Q602	G-9 *	TP302	D-1
D308	D-1	IC508	F-6	Q603	F-9 *	TP305	E-2
D309	D-1	IC509	E-6	Q604	F-9 *	TP307	D-1
D402	D-4 *	IC511	F-1	Q605	F-9 *	TP309	D-1
D403	D-4	IC512	E-4	Q606	F-7 *	TP310	D-1
D404	D-3	IC514	A-1	Q607	G-9 *	TP402	D-3
D406	C-3	IC601	G-8 *	Q608	G-9 *	TP405	E-4
D409	D-3	IC602	E-8	Q609	G-9 *	TP501	E-4
D501	B-5 *	IC603	E-8	Q610	F-9 *	TP601	F-7
D502	F-6 *	IC604	F-7	Q611	G-9 *	TP602	G-8
D503	F-6	IC605	G-8	Q701	D-6	TP603	F-8
D505	F-1 *	IC606	E-9	Q702	D-7	TP604	G-8
D506	F-6 *	IC607	F-9	Q707	C-7 *	TP605	F-8
D602	G-9 *	IC608	E-9	Q708	C-8 *	TP606	G-9
D603	G-9 *	IC609	E-9	Q709	C-7 *	TP607	F-9
D604	G-9 *	IC610	E-9	Q710	C-8 *	TP608	G-8
D701	B-5 *	IC611	F-8	Q715	B-5 *	TP609	E-9
D702	B-5 *	IC612	F-8	Q716	B-5 *	TP610	E-9
D703	B-5 *	IC613	F-7	Q801	D-9 *	TP701	D-6
D704	B-5 *	IC614	E-7	Q802	D-9	TP702	C-7
		IC615	G-9	Q803	D-9	TP703	C-7
E1	B-5	IC616	E-8	Q804	D-9 *	TP801	B-8
E101	C-1	IC618	F-9	Q805	D-9 *	TP802	B-6
E201	A-3	IC701	C-5	Q806	B-7	TP803	B-7
E301	D-3	IC702	D-6	Q807	C-9	TP804	B-8
E302	E-1	IC703	D-7	Q808	B-6 *	TP805	A-9
E401	E-4	IC704	D-8	Q809	B-6 *	TP806	A-9
E402	D-3	IC705	D-5	Q810	B-6	TP807	B-9
E501	G-3	IC706	D-5	Q811	B-7 *		
E502	F-7	IC707	D-5	Q812	B-9	X601	E-8
E601	G-7	IC708	D-5	Q813	C-9 *	X602	F-9
E701	D-7	IC709	C-5	Q814	E-7 *		
E801	C-8	IC710	C-5	Q815	B-8		
E802	B-6	IC711	C-5	Q816	B-8 *		
E803	B-9	IC712	C-5	Q817	E-8 *		
		IC713	B-5	Q818	B-8		
FB601	E-8 *	IC714	B-5	Q819	C-9 *		
FB602	E-9 *	IC715	E-5 *	Q820	B-6		
		IC716	E-6 *	Q821	B-7		
FL101	B-2	IC717	F-6	Q822	E-7 *		
FL201	A-2	IC801	C-6	Q823	C-8 *		
FL701	C-7	IC802	C-7				
FL702	C-8	IC803	C-9	RV101	B-2		
FL703	C-6	IC804	B-6	RV102	B-2		
FL801	B-8	IC805	B-7	RV201	B-3		
		IC806	C-9	RV202	B-3		
IC1	B-3 *	IC807	D-9	RV301	E-1		
IC2	B-4	IC808	C-8	RV307	C-2		
IC3	B-4	IC810	C-9	RV308	D-1		
IC4	B-3 *	IC811	C-9	RV309	E-1		
IC5	B-3 *	IC812	B-9	RV310	D-1		
IC101	B-2	IC814	B-9	RV401	C-3		
IC102	B-1	IC815	B-9	RV404	E-3		
IC103	B-1	IC816	C-9	RV405	C-3		
IC104	C-2 *	IC817		RV406	C-3		
IC105	C-1			RV409	B-5		
IC106	C-1	LV301	E-1	RV601	E-8		
IC201	B-2 *	LV401	E-4	RV602	G-9		
IC202	B-3	LV801	E-7	RV603	F-9		
IC204	B-2	LV802		RV605	F-9		
IC205	C-2			RV606	E-1		
IC301	D-1 *	Q1	E-8	RV701	D-6		
IC302	D-2	Q2	B-4 *	RV702	D-7		
IC303	D-2 *	Q3	B-4 *	RV703	D-8		
IC304	E-2 *	Q4	B-4 *	RV705	D-6		
IC305	E-2	Q5	B-4 *	RV706	C-8		
IC306	D-2 *	Q6	B-4 *	RV801	D-9		
IC308	E-3	Q101	B-1 *	RV802	D-9		
IC309	E-3	Q102	B-2 *	RV803	D-9		
IC310	E-2	Q103	B-2 *	RV804	B-7		
IC311	D-1	Q104	B-1	RV805	D-9		
IC312	D-1	Q201	A-2	RV806	B-6		
IC317	E-2	Q202	B-2 *	RV807	B-7		
IC318	E-2	Q301	D-3 *	RV808	B-6		
IC401	E-5	Q302	D-3 *	RV813	E-7		
IC403	D-4	Q303	E-1 *	RV814	B-8		
IC404	C-3 *	Q304	E-1 *	RV815	B-8		
IC405	C-3 *	Q305	E-1 *	RV816	B-9		
IC406	D-4 *	Q306	C-1	RV817	E-1		

* mark; B SIDE mount.



CC-47 —A SIDE—
1-638-695-14 (1)
BVW-50
BVW-50P



CC-47 —B SIDE—
1-638-695-14 (1)
BVW-50
BVW-50P

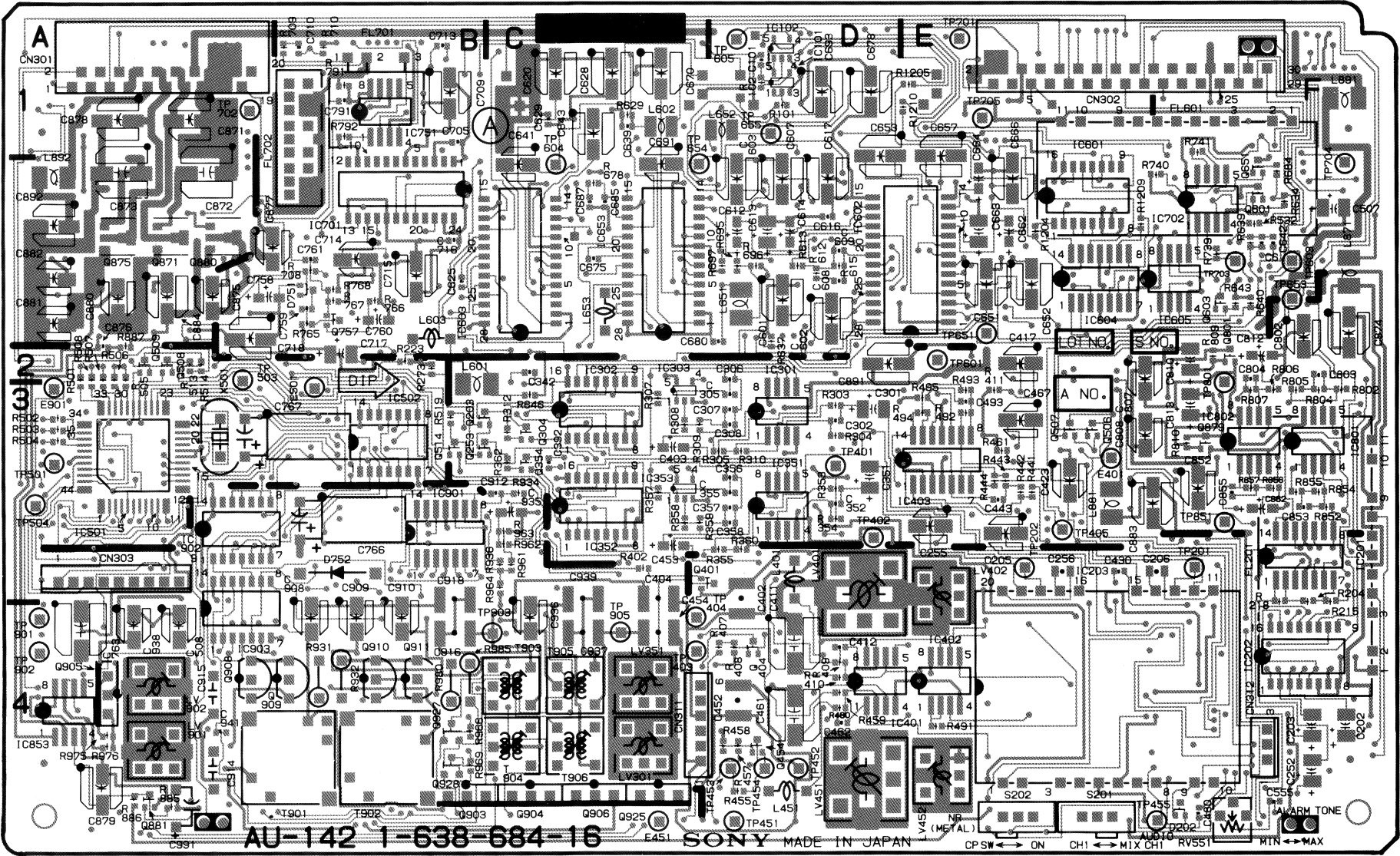
AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

BVW-50 (UC) : S/N 10891 and Higher
BVW-50 (J) : S/N 10666 and Higher

AU-142 (1-638-684-16)

CN301	A-1	Q301	D-3 *	Q920	A-4 *
CN302	E-1	Q302	D-3 *	Q921	A-4 *
CN303	A-3	Q303	C-4 *	Q922	A-4 *
CN311	C-4	Q304	C-3	Q925	C-4
CN312	F-4	Q305	D-4 *	Q926	C-3 *
		Q306	C-3 *	Q927	B-4
D201	E-3 *	Q353	C-4 *	Q928	B-4
D202	F-4	Q354	C-3	Q929	C-3 *
D251	E-3 *	Q355	C-4 *		
D401	F-4 *	Q356	C-3 *	RV301	D-2 *
D403	E-3 *	Q401	C-3	RV302	D-3 *
D451	F-4 *	Q402	E-2 *	RV303	D-2 *
D502	A-3 *	Q404	D-4	RV304	D-3 *
D503	F-2 *	Q405	E-4 *	RV305	B-3 *
D504	F-2 *	Q406	E-4 *	RV306	C-3 *
D505	A-3 *	Q407	F-4 *	RV353	D-3 *
D571	A-3 *	Q411	F-3 *	RV354	D-3 *
D601	B-2 *	Q412	F-3 *	RV355	B-3 *
D602	B-2 *	Q413	E-3 *	RV356	C-3 *
D603	F-2 *	Q414	F-3 *	RV401	E-4 *
D604	F-2 *	Q431	E-4 *	RV402	E-4 *
D651	C-2 *	Q432	F-4 *	RV403	E-4 *
D701	B-2 *	Q433	F-4 *	RV404	D-4 *
D702	A-2 *	Q434	F-4 *	RV405	D-3 *
D751	B-2	Q451	D-4 *	RV406	E-3 *
D752	B-3	Q452	E-3 *	RV407	D-3 *
D753	A-4 *	Q454	D-4	RV408	D-4 *
D871	A-1 *	Q455	F-4 *	RV451	E-4 *
D902	A-4 *	Q456	F-4 *	RV452	E-4 *
D903	A-4 *	Q457	F-4 *	RV453	E-4 *
D904	B-4 *	Q481	E-4 *	RV454	D-4 *
D905	A-4 *	Q482	F-4 *	RV455	E-3 *
		Q483	F-4 *	RV456	E-3 *
E401	E-3	Q501	A-3 *	RV458	D-4 *
E451	C-4	Q502	A-3 *	RV551	F-4
E501	B-3	Q503	A-3 *	RV601	E-2 *
E901	A-3	Q504	A-3 *	RV602	F-2 *
		Q505	F-2 *	RV603	B-1 *
FL201	F-3	Q506	E-3	RV604	C-2 *
FL601	F-1	Q507	E-3	RV605	D-1 *
FL602	C-1 *	Q508	A-2	RV651	E-2 *
FL652	D-1 *	Q509	A-2	RV653	C-1 *
FL701	B-1	Q510	A-3 *	RV654	D-2 *
FL702	A-1	Q511	A-3 *	RV655	C-1 *
		Q512	A-3 *	RV701	E-1 *
IC201	F-3	Q513	A-3 *	RV702	B-1 *
IC202	F-4	Q514	B-3	RV801	F-2 *
IC203	E-3	Q516	A-3 *	RV851	F-3 *
IC301	D-2	Q551	E-2 *	RV901	B-4 *
IC302	C-2	Q571	A-3 *	RV902	B-4 *
IC303	C-2	Q572	A-3 *	RV903	B-3 *
IC351	D-3	Q601	F-2	RV904	C-3 *
IC352	C-3	Q602	D-2 *	RV905	B-3 *
IC353	C-3	Q603	F-2	RV906	B-4 *
IC401	E-4	Q604	D-2 *	RV907	A-2 *
IC402	E-4	Q605	B-2 *		
IC403	E-3	Q651	F-2	S201	E-4
IC501	A-3	Q701	F-2 *	S202	E-4
IC502	B-3	Q702	D-1 *		
IC503	A-3 *	Q704	B-1 *	TP201	F-3
IC601	E-1	Q705	B-2 *	TP202	E-3
IC602	D-2	Q706	A-2 *	TP401	D-3
IC603	B-2	Q707	B-2 *	TP402	D-3
IC604	E-2	Q751	A-2 *	TP403	C-4
IC605	F-2	Q754	B-1 *	TP404	D-3
IC653	C-2	Q755	B-1 *	TP405	E-3
IC701	B-2	Q756	C-1 *	TP451	D-4
IC702	F-2	Q757	B-2	TP452	D-4
IC751	B-1	Q758	B-2 *	TP453	D-4
IC801	F-3	Q781	A-4 *	TP454	D-4
IC802	F-3	Q801	F-2	TP455	F-4
IC851	A-2 *	Q804	F-3 *	TP501	A-3
IC852	A-2 *	Q805	F-4 *	TP503	A-2
IC853	A-4	Q854	F-3 *	TP504	A-3
IC901	B-3	Q871	A-2	TP601	E-2
IC902	A-3	Q875	A-2	TP603	F-2
IC903	A-4	Q876	A-1 *	TP604	C-1
		Q879	F-3	TP605	D-1
LV301	C-4	Q880	A-2	TP651	E-2
LV351	C-4	Q881	A-4	TP653	F-2
LV401	D-3	Q903	B-4	TP654	C-1
LV402	E-3	Q904	C-4	TP655	D-1
LV451	D-4	Q905	A-4	TP701	E-1
LV452	E-4	Q906	C-4	TP702	A-1
LV901	A-4	Q907	C-4 *	TP703	F-2
LV902	A-4	Q908	A-4	TP704	F-2
		Q909	A-4	TP705	E-1
Q201	E-3 *	Q910	B-4	TP801	F-2
Q202	F-3 *	Q911	B-4	TP851	F-3
Q203	B-3	Q912	B-4 *	TP901	A-4
Q251	E-3 *	Q913	B-4 *	TP902	A-4
Q252	F-4 *	Q916	C-4 *	TP903	C-4
Q253	B-3	Q919	A-4 *	TP905	C-4

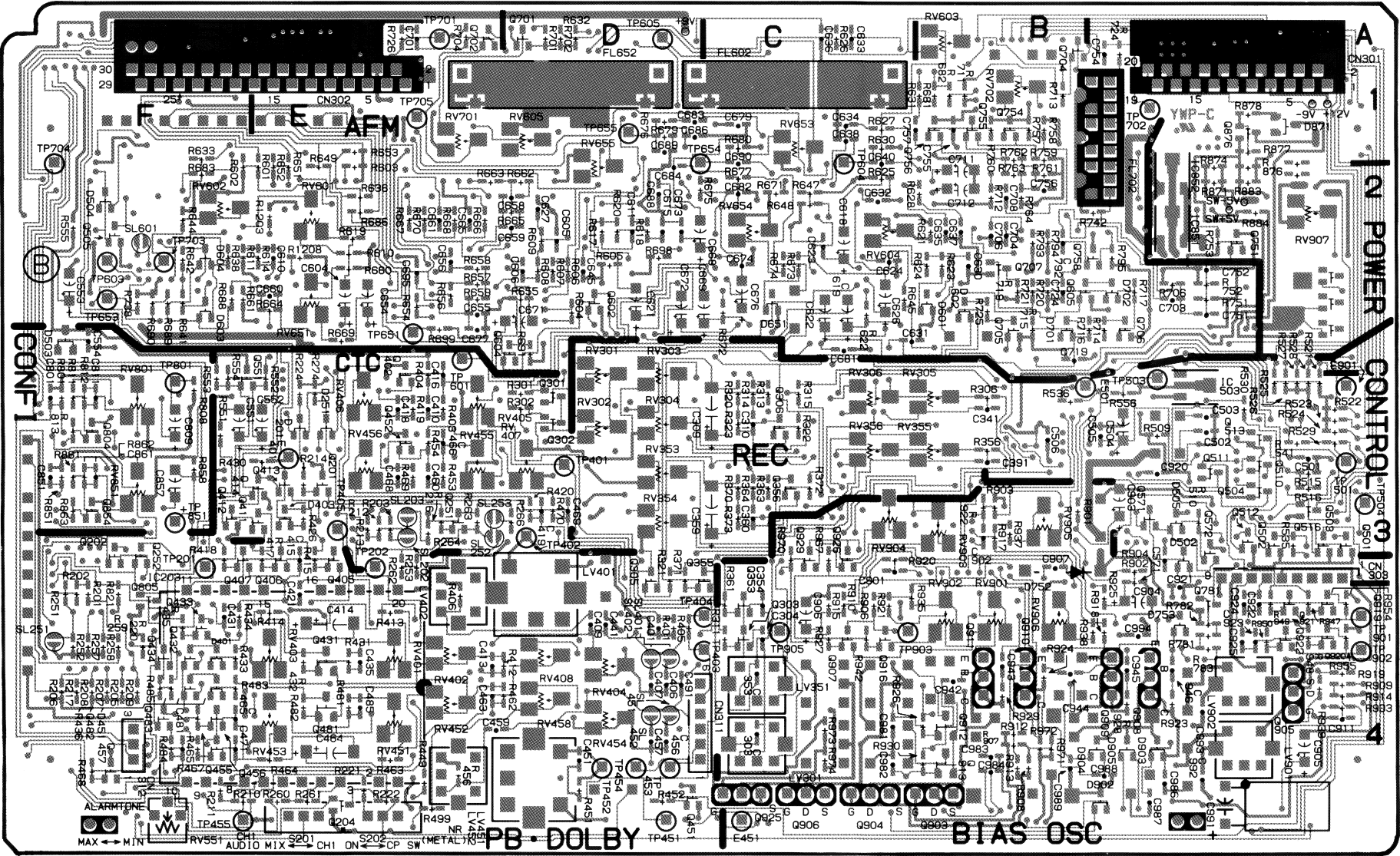
* mark; B SIDE mount.



AU-142 —A SIDE—
1-638-684-16 (1)
BVW-50
BVW-50P

AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

BVW-50 (UC) : S/N 10891 and Higher
BVW-50 (J) : S/N 10666 and Higher



AU-142 —B SIDE—
1-638-684-16 (1)
BVW-50
BVW-50P

AU-142 (1-638-684-16)

CN301	A-1	Q301	D-3	*	Q920	A-4	*	T901	B-4
CN302	E-1	Q302	D-3	*	Q921	A-4	*	T902	B-4
CN303	A-3	Q303	C-4	*	Q922	A-4	*	T903	C-4
CN311	C-4	Q304	C-3	*	Q925	C-4	*	T904	C-4
CN312	F-4	Q305	D-4	*	Q926	C-3	*	T905	C-4
		Q306	C-3	*	Q927	B-4	*	T906	C-4
D201	E-3	Q353	C-4	*	Q928	B-4	*		
D202	F-4	Q354	C-3	*	Q929	C-3	*	X501	A-3
D251	E-3	Q355	C-4	*					
D401	F-4	Q356	C-3	*	RV301	D-2	*	* mark; B SIDE mount.	
D403	E-3	Q401	C-3	*	RV302	D-3	*		
D451	F-4	Q402	E-2	*	RV303	D-2	*		
D502	A-3	Q404	D-4	*	RV304	D-3	*		
D503	F-2	Q405	E-4	*	RV305	B-3	*		
D504	F-2	Q406	E-4	*	RV306	C-3	*		
D505	A-3	Q407	F-4	*	RV353	D-3	*		
D571	A-3	Q411	F-3	*	RV354	D-3	*		
D601	B-2	Q412	F-3	*	RV355	B-3	*		
D602	B-2	Q413	E-3	*	RV356	C-3	*		
D603	F-2	Q414	F-3	*	RV401	E-4	*		
D604	F-2	Q431	E-4	*	RV402	E-4	*		
D651	C-2	Q432	F-4	*	RV403	E-4	*		
D701	B-2	Q433	F-4	*	RV404	D-4	*		
D702	A-2	Q434	F-4	*	RV405	D-3	*		
D751	B-2	Q451	D-4	*	RV406	E-3	*		
D752	B-3	Q452	E-3	*	RV407	D-3	*		
D753	A-4	Q454	D-4	*	RV408	D-4	*		
D871	A-1	Q455	F-4	*	RV451	E-4	*		
D902	A-4	Q456	F-4	*	RV452	E-4	*		
D903	A-4	Q457	F-4	*	RV453	E-4	*		
D904	B-4	Q481	E-4	*	RV454	D-4	*		
D905	A-4	Q482	F-4	*	RV455	E-3	*		
E401	E-3	Q501	A-3	*	Q483	F-4	*		
E451	C-4	Q502	A-3	*	RV456	E-3	*		
E501	B-3	Q503	A-3	*	RV458	D-4	*		
E901	A-3	Q504	A-3	*	RV551	F-4	*		
		Q505	F-2	*	RV601	E-2	*		
FL201	F-3	Q506	E-3	*	RV602	F-2	*		
FL601	F-1	Q507	E-3	*	RV603	B-1	*		
FL602	C-1	Q508	A-2	*	RV604	C-2	*		
FL652	D-1	Q509	A-2	*	RV605	D-1	*		
FL701	B-1	Q510	A-3	*	RV651	E-2	*		
FL702	A-1	Q511	A-3	*	RV653	C-1	*		
		Q512	A-3	*	RV654	C-2	*		
IC201	F-3	Q513	A-3	*	RV655	D-1	*		
IC202	F-4	Q514	B-3	*	RV701	E-1	*		
IC203	E-3	Q516	A-3	*	RV702	B-1	*		
IC301	D-2	Q551	E-2	*	RV801	F-2	*		
IC302	C-2	Q571	A-3	*	RV851	F-3	*		
IC303	C-2	Q572	A-3	*	RV901	B-4	*		
IC351	D-3	Q601	F-2	*	RV902	B-4	*		
IC352	C-3	Q602	D-2	*	RV903	B-3	*		
IC353	C-3	Q603	F-2	*	RV904	C-3	*		
IC401	E-4	Q604	D-2	*	RV905	B-3	*		
IC402	E-4	Q605	B-2	*	RV906	B-4	*		
IC403	E-3	Q651	F-2	*	RV907	A-2	*		
IC501	A-3	Q701	F-2	*	S201	E-4	*		
IC502	B-3	Q702	D-1	*	S202	E-4	*		
IC503	A-3	Q704	B-1	*	TP201	F-3	*		
IC601	E-1	Q705	B-2	*	TP202	E-3	*		
IC602	D-2	Q706	A-2	*	TP401	D-3	*		
IC603	B-2	Q707	B-2	*	TP402	D-3	*		
IC604	E-2	Q751	A-2	*	TP403	C-4	*		
IC605	F-2	Q754	B-1	*	TP404	D-3	*		
IC653	C-2	Q755	B-1	*	TP405	E-3	*		
IC701	B-2	Q756	C-1	*	TP451	D-4	*		
IC702	F-2	Q757	B-2	*	TP452	D-4	*		
IC751	B-1	Q758	B-2	*	TP453	D-4	*		
IC801	F-3	Q781	A-4	*	TP454	D-4	*		
IC802	F-3	Q801	F-2	*	TP455	F-4	*		
IC851	A-2	Q804	F-3	*	TP501	A-3	*		
IC852	A-2	Q805	F-4	*	TP503	A-2	*		
IC853	A-4	Q854	F-3	*	TP504	A-3	*		
IC901	B-3	Q871	A-2	*	TP601	E-2	*		
IC902	A-3	Q875	A-2	*	TP603	F-2	*		
IC903	A-4	Q876	A-1	*	TP604	C-1	*		
		Q879	F-3	*	TP605	D-1	*		
LV301	C-4	Q880	A-2	*	TP651	E-2	*		
LV351	C-4	Q881	A-4	*	TP653	F-2	*		
LV401	D-3	Q903	B-4	*	TP654	C-1	*		
LV402	E-3	Q904	C-4	*	TP655	D-1	*		
LV451	D-4	Q905	A-4	*	TP701	E-1	*		
LV452	E-4	Q906	C-4	*	TP702	A-1	*		
LV901	A-4	Q907	C-4	*	TP703	F-2	*		
LV902	A-4	Q908	A-4	*	TP704	F-2	*		
		Q909	A-4	*	TP705	E-1	*		
Q201	E-3	Q910	B-4	*	TP801	F-2	*		
Q202	F-3	Q911	B-4	*	TP851	F-3	*		
Q203	B-3	Q912	B-4	*	TP901	A-4	*		
Q251	E-3	Q913	B-4	*	TP902	A-4	*		
Q252	F-4	Q916	C-4	*	TP903	C-4	*		
Q253	B-3	Q919	A-4	*	TP905	C-4	*		

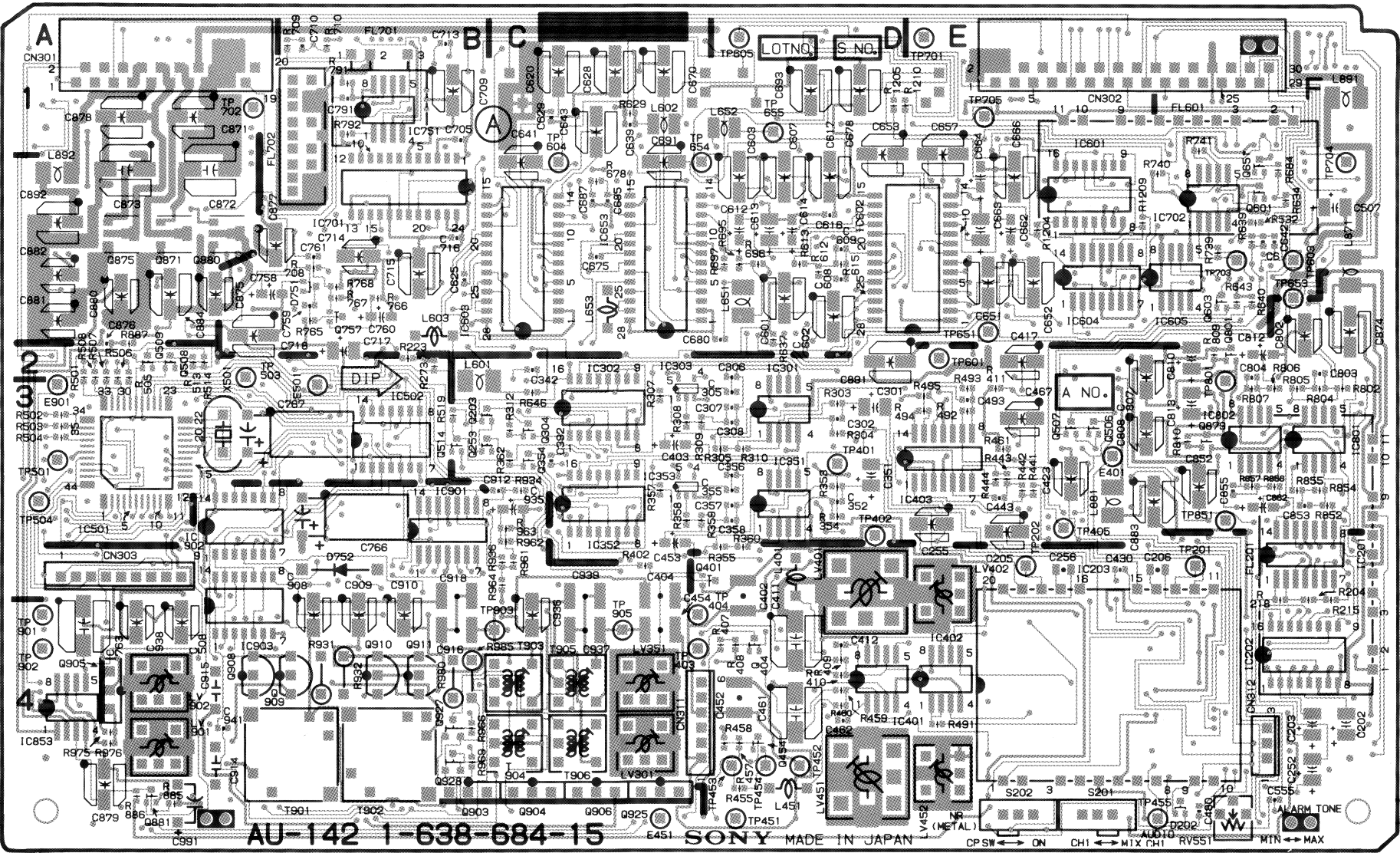
AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

BVW-50 (UC) : S/N 10733 through 10890
 BVW-50 (J) : S/N 10496 through 10665

AU-142 (1-638-684-15)

CN301	A-1	Q354	C-3	RV356	C-3	*
CN302	E-1	Q401	C-3	RV402	E-4	*
CN303	A-3	Q402	E-2	RV403	E-4	*
CN311	C-4	Q404	D-4	RV404	D-4	*
CN312	F-4	Q405	E-4	RV405	D-3	*
		Q406	E-4	RV406	E-3	*
D201	E-3	Q407	F-4	RV407	D-3	*
D202	F-4	Q411	F-3	RV452	E-4	*
D251	E-3	Q412	F-3	RV453	E-4	*
D403	E-3	Q413	E-3	RV454	D-4	*
D502	A-3	Q414	F-3	RV455	E-3	*
D503	F-2	Q451	D-4	RV456	E-3	*
D504	F-2	Q452	E-3	RV551	F-4	*
D505	A-3	Q454	D-4	RV601	E-2	*
D601	B-2	Q455	F-4	RV602	F-2	*
D602	B-2	Q456	F-4	RV603	B-1	*
D603	F-2	Q457	F-4	RV604	C-2	*
D604	F-2	Q501	A-3	RV605	D-1	*
D651	C-2	Q502	A-3	RV651	E-2	*
D701	B-2	Q503	A-3	RV653	C-1	*
D702	A-2	Q504	A-3	RV654	C-2	*
D751	B-2	Q505	F-2	RV655	D-1	*
D752	B-3	Q506	E-3	RV701	E-1	*
D753	A-4	Q507	E-3	RV702	B-1	*
D871	A-1	Q508	A-2	RV801	F-2	*
D902	A-4	Q509	A-2	RV851	F-3	*
D903	A-4	Q510	A-3	RV901	B-4	*
D904	B-4	Q511	A-3	RV902	B-4	*
D905	A-4	Q512	A-3	RV903	B-3	*
		Q513	A-3	RV904	C-3	*
		Q514	B-3	RV905	B-3	*
E401	E-3	Q516	A-3	RV906	B-4	*
E451	C-4	Q551	E-2	RV907	A-2	*
E501	B-3	Q571	A-3			
E901	A-3	Q572	A-3	S201	E-4	
		Q601	F-2	S202	E-4	
FL201	F-3	Q602	D-2			
FL601	F-1	Q603	F-2	TP201	F-3	
FL602	C-1	Q604	D-2	TP202	E-3	
FL652	D-1	Q605	D-2	TP401	D-3	
FL701	B-1	Q651	F-2	TP402	D-3	
FL702	A-1	Q701	F-2	TP403	C-4	
		Q702	D-1	TP404	D-3	
IC201	F-3	Q704	B-1	TP405	E-3	
IC202	F-4	Q705	B-2	TP451	D-4	
IC203	E-3	Q706	A-2	TP452	D-4	
IC301	D-2	Q707	B-2	TP453	D-4	
IC302	C-2	Q751	A-2	TP454	D-4	
IC303	C-2	Q754	B-1	TP455	F-4	
IC351	D-3	Q755	B-1	TP501	A-3	
IC352	C-3	Q756	C-1	TP503	A-2	
IC353	C-3	Q757	B-2	TP504	A-3	
IC401	E-4	Q758	B-2	TP601	E-2	
IC402	E-4	Q781	A-4	TP603	F-2	
IC403	E-3	Q801	F-2	TP604	C-1	
IC501	A-3	Q805	F-4	TP605	D-1	
IC502	B-3	Q871	A-2	TP651	E-2	
IC503	A-3	Q875	A-2	TP653	F-2	
IC601	E-1	Q876	A-1	TP654	C-1	
IC602	D-2	Q879	F-3	TP655	D-1	
IC603	B-2	Q880	A-2	TP701	E-1	
IC604	E-2	Q881	A-4	TP702	A-1	
IC605	F-2	Q903	B-4	TP703	F-2	
IC653	C-2	Q904	C-4	TP704	F-2	
IC701	B-2	Q905	A-4	TP705	E-1	
IC702	F-2	Q906	C-4	TP801	F-2	
IC751	B-1	Q907	C-4	TP851	F-3	
IC801	F-3	Q908	A-4	TP901	A-4	
IC802	F-3	Q909	A-4	TP902	A-4	
IC851	A-2	Q910	B-4	TP903	C-4	
IC852	A-2	Q911	B-4	TP905	C-4	
IC853	A-4	Q912	B-4			
IC901	B-3	Q913	B-4	T901	B-4	
IC902	A-3	Q916	C-4	T902	B-4	
IC903	A-4	Q919	A-4	T903	C-4	
		Q920	A-4	T904	C-4	
LV301	C-4	Q921	A-4	T905	C-4	
LV351	C-4	Q922	A-4	T906	C-4	
LV401	D-3	Q925	C-4			
LV402	E-3	Q926	C-3	X501	A-3	
LV451	D-4	Q927	B-4			
LV452	E-4	Q928	B-4			
LV901	A-4	Q929	C-3			
LV902	A-4					
Q201	E-3	RV301	D-2			
Q202	F-3	RV302	D-3			
Q203	B-3	RV303	D-2			
Q251	E-3	RV304	D-3			
Q252	F-4	RV305	B-3			
Q253	B-3	RV306	C-3			
Q301	D-3	RV353	D-3			
Q302	D-3	RV354	D-3			
Q304	C-3	RV355	B-3			

* mark; B SIDE mount.



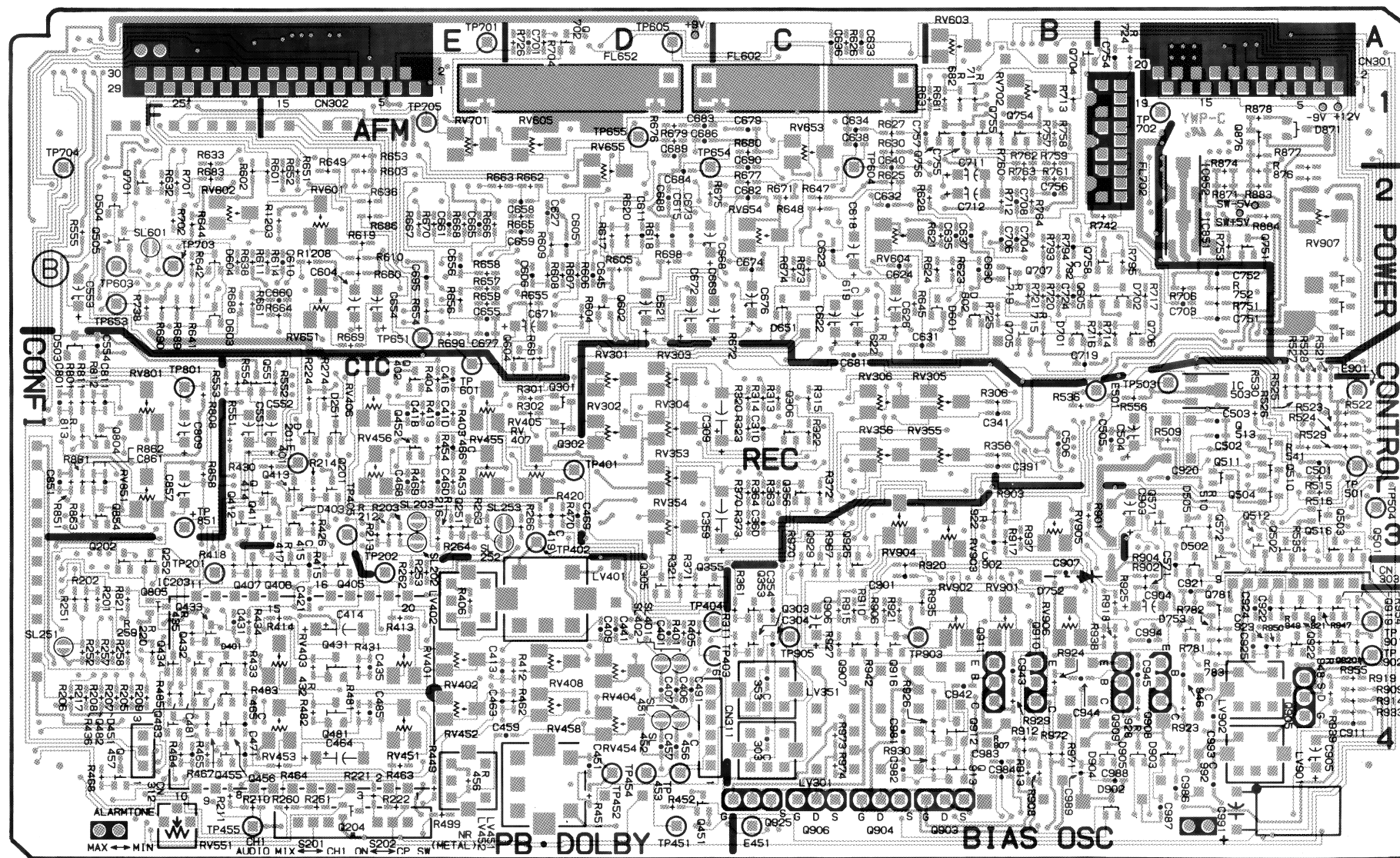
1-638-684-15 (1)

BVW-50

BVW-50P

**AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM**

BVW-50 (UC) : S/N 10733 through 10890
BVW-50 (J) : S/N 10496 through 10665



AU-142 —B SIDE—

1-638-684-15 (1)

BVW-50

BVW-50P

AU-142 (1-638-684-15)

CN301	A-1	Q301	D-3	*	Q920	A-4	*	T901	B-4
CN302	E-1	Q302	D-3	*	Q921	A-4	*	T902	B-4
CN303	A-3	Q303	C-4	*	Q922	A-4	*	T903	C-4
CN311	C-4	Q304	C-3		Q925	C-4		T904	C-4
CN312	F-4	Q305	D-4	*	Q926	C-3	*	T905	C-4
		Q306	C-3	*	Q927	B-4		T906	C-4
D201	E-3	Q353	C-4	*	Q928	B-4			
D202	F-4	Q354	C-3		Q929	C-3	*	X501	A-3
D251	E-3	Q355	C-4	*					
D401	F-4	Q356	C-3	*	RV301	D-2	*	* mark; B SIDE mount.	
D403	E-3	Q401	C-3		RV302	D-3	*		
D451	F-4	Q402	E-2	*	RV303	D-2	*		
D502	A-3	Q404	D-4		RV304	D-3	*		
D503	F-2	Q405	E-4	*	RV305	B-3	*		
D504	F-2	Q406	E-4	*	RV306	C-3	*		
D505	A-3	Q407	F-4	*	RV353	D-3	*		
D571	A-3	Q411	F-3	*	RV354	D-3	*		
D601	B-2	Q412	F-3	*	RV355	B-3	*		
D602	B-2	Q413	E-3	*	RV356	C-3	*		
D603	F-2	Q414	F-3	*	RV401	E-4	*		
D604	F-2	Q431	E-4	*	RV402	E-4	*		
D651	C-2	Q432	F-4	*	RV403	E-4	*		
D701	B-2	Q433	F-4	*	RV404	D-4	*		
D702	A-2	Q434	F-4	*	RV405	D-3	*		
D751	B-2	Q451	D-4	*	RV406	E-3	*		
D752	B-3	Q452	E-3	*	RV407	D-3	*		
D753	A-4	Q454	D-4		RV408	D-4	*		
D871	A-1	Q455	F-4	*	RV451	E-4	*		
D902	A-4	Q456	F-4	*	RV452	E-4	*		
D903	A-4	Q457	F-4	*	RV453	E-4	*		
D904	B-4	Q481	E-4	*	RV454	D-4	*		
D905	A-4	Q482	F-4	*	RV455	E-3	*		
		Q483	F-4	*	RV456	E-3	*		
E401	E-3	Q501	A-3	*	RV458	D-4	*		
E451	C-4	Q502	A-3	*	RV551	F-4			
E501	B-3	Q503	A-3	*	RV601	E-2	*		
E901	A-3	Q504	A-3	*	RV602	F-2	*		
		Q505	F-2	*	RV603	B-1	*		
FL201	F-3	Q506	E-3		RV604	C-2	*		
FL601	F-1	Q507	E-3		RV605	D-1	*		
FL602	C-1	Q508	A-2		RV651	E-2	*		
FL652	D-1	Q509	A-2		RV653	C-1	*		
FL701	B-1	Q510	A-3	*	RV654	C-2	*		
FL702	A-1	Q511	A-3	*	RV655	D-1	*		
		Q512	A-3	*	RV701	E-1	*		
IC201	F-3	Q513	A-3	*	RV702	B-1	*		
IC202	F-4	Q514	B-3		RV801	F-2	*		
IC203	E-3	Q516	A-3	*	RV851	F-3	*		
IC301	D-2	Q551	E-2	*	RV901	B-4	*		
IC302	C-2	Q571	A-3	*	RV902	B-4	*		
IC303	C-2	Q572	A-3	*	RV903	B-3	*		
IC351	D-3	Q601	F-2		RV904	C-3	*		
IC352	C-3	Q602	D-2	*	RV905	B-3	*		
IC353	C-3	Q603	F-2		RV906	B-4	*		
IC401	E-4	Q604	D-2	*	RV907	A-2	*		
IC402	E-4	Q605	B-2	*					
IC403	E-3	Q651	F-2		S201	E-4			
IC501	A-3	Q701	F-2	*	S202	E-4			
IC502	B-3	Q702	D-1	*					
IC503	A-3	Q704	B-1	*	TP201	F-3			
IC601	E-1	Q705	B-2	*	TP202	E-3			
IC602	D-2	Q706	A-2	*	TP401	D-3			
IC603	B-2	Q707	B-2	*	TP402	D-3			
IC604	E-2	Q751	A-2	*	TP403	C-4			
IC605	F-2	Q754	B-1	*	TP404	D-3			
IC653	C-2	Q755	B-1	*	TP405	E-3			
IC701	B-2	Q756	C-1	*	TP451	D-4			
IC702	F-2	Q757	B-2	*	TP452	D-4			
IC751	B-1	Q758	B-2	*	TP453	D-4			
IC801	F-3	Q781	A-4	*	TP454	D-4			
IC802	F-3	Q801	F-2		TP455	F-4			
IC851	A-2	Q804	F-3	*	TP501	A-3			
IC852	A-2	Q805	F-4	*	TP503	A-2			
IC853	A-4	Q854	F-3	*	TP504	A-3			
IC901	B-3	Q871	A-2		TP601	E-2			
IC902	A-3	Q875	A-2		TP603	F-2			
IC903	A-4	Q876	A-1	*	TP604	C-1			
		Q879	F-3		TP605	D-1			
LV301	C-4	Q880	A-2		TP651	E-2			
LV351	C-4	Q881	A-4		TP653	F-2			
LV401	D-3	Q903	B-4		TP654	C-1			
LV402	E-3	Q904	C-4		TP655	D-1			
LV451	D-4	Q905	A-4		TP701	E-1			
LV452	E-4	Q906	C-4		TP702	A-1			
LV901	A-4	Q907	C-4	*	TP703	F-2			
LV902	A-4	Q908	A-4		TP704	F-2			
		Q909	A-4		TP705	E-1			
Q201	E-3	Q910	B-4		TP801	F-2			
Q202	F-3	Q911	B-4		TP851	F-3			
Q203	B-3	Q912	B-4	*	TP901	A-4			
Q251	E-3	Q913	B-4	*	TP902	A-4			
Q252	F-4	Q916	C-4	*	TP903	C-4			
Q253	B-3	Q919	A-4	*	TP905	C-4			

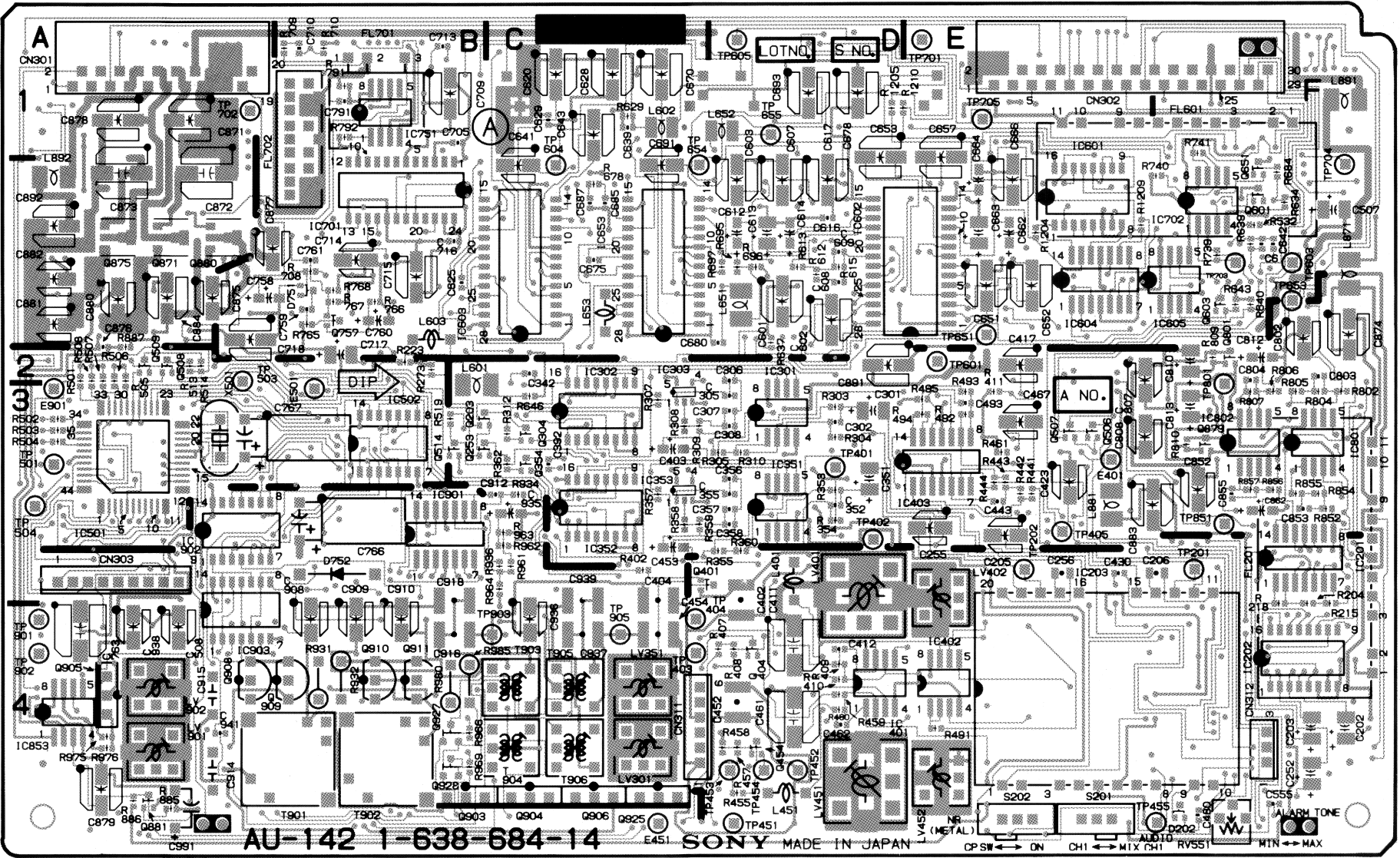
AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

BVW-50 (UC) : Up to S/N 10732
BVW-50 (J) : Up to S/N 10495

AU-142 (1-638-684-14)

CN301	A-1	Q304	C-3	RV355	B-3	*
CN302	E-1	Q354	C-3	RV356	C-3	*
CN303	A-3	Q401	D-3	RV402	E-4	*
CN311	C-4	Q402	E-2	RV403	E-4	*
CN312	F-4	Q404	D-4	RV404	D-4	*
		Q405	E-3	RV405	E-3	*
D201	E-3	Q406	E-3	RV406	E-3	*
D202	F-4	Q407	F-3	RV407	D-3	*
D251	E-3	Q411	E-3	RV452	E-4	*
D403	E-3	Q412	F-3	RV453	E-4	*
D502	A-3	Q413	E-3	RV454	D-4	*
D503	F-2	Q414	E-3	RV455	E-3	*
D504	F-2	Q451	D-4	RV456	E-3	*
D505	A-3	Q452	E-3	RV551	F-4	*
D601	B-2	Q454	D-4	RV601	E-2	*
D602	B-2	Q455	F-4	RV602	F-2	*
D603	F-2	Q456	F-4	RV603	B-1	*
D604	F-2	Q457	F-4	RV604	C-2	*
D651	C-2	Q501	A-3	RV605	D-1	*
D701	B-2	Q502	A-3	RV651	E-2	*
D702	A-2	Q503	A-3	RV653	C-1	*
D751	B-2	Q504	A-3	RV654	C-2	*
D752	B-3	Q505	F-2	RV655	D-2	*
D753	A-4	Q506	E-3	RV701	E-1	*
D871	A-1	Q507	E-3	RV702	B-1	*
D902	B-4	Q508	A-2	RV801	F-3	*
D903	A-4	Q509	A-2	RV851	F-3	*
D904	B-4	Q510	A-3	RV901	B-4	*
D905	A-4	Q511	A-3	RV902	B-4	*
		Q512	A-3	RV903	B-3	*
E401	E-3	Q513	A-3	RV904	C-3	*
E451	C-4	Q514	B-3	RV905	B-3	*
E501	B-3	Q516	A-3	RV906	B-4	*
E901	A-3	Q551	E-3	RV907	A-2	*
		Q571	A-3			
FL201	F-3	Q572	A-3	S201	E-4	
FL601	F-1	Q601	F-2	S202	E-4	
FL602	C-1	Q602	D-2			
FL652	D-1	Q603	F-2	TP201	F-3	
FL701	B-1	Q604	D-2	TP202	E-3	
FL702	B-1	Q605	B-2	TP401	D-3	
		Q651	F-2	TP402	D-3	
IC201	F-3	Q701	F-2	TP403	C-4	
IC202	F-4	Q702	D-1	TP404	C-4	
IC203	E-4	Q704	B-1	TP405	E-3	
IC301	D-3	Q705	B-2	TP451	D-4	
IC302	C-3	Q706	A-2	TP452	D-4	
IC303	C-3	Q707	B-2	TP453	D-4	
IC351	D-3	Q751	A-2	TP454	D-4	
IC352	C-3	Q754	B-1	TP455	F-4	
IC353	C-3	Q755	B-1	TP501	A-3	
IC401	D-4	Q756	B-1	TP503	A-3	
IC402	E-4	Q757	B-2	TP504	A-3	
IC403	E-3	Q758	B-2	TP601	E-2	
IC501	A-3	Q781	A-4	TP603	F-2	
IC502	B-3	Q801	F-2	TP604	C-1	
IC503	A-3	Q805	F-4	TP605	D-1	
IC601	E-2	Q871	A-2	TP651	E-2	
IC602	E-2	Q875	A-2	TP653	F-2	
IC603	C-2	Q876	A-1	TP654	C-2	
IC604	E-2	Q879	F-3	TP655	D-1	
IC605	F-2	Q880	A-2	TP701	E-1	
IC653	C-2	Q881	A-4	TP702	A-1	
IC701	B-1	Q903	B-4	TP703	F-2	
IC702	F-2	Q904	C-4	TP704	F-2	
IC751	B-1	Q905	A-4	TP705	E-1	
IC801	F-3	Q906	C-4	TP801	F-3	
IC802	F-3	Q907	C-4	TP851	F-3	
IC851	A-2	Q908	A-4	TP901	A-4	
IC852	A-2	Q909	A-4	TP902	A-4	
IC853	A-4	Q910	B-4	TP903	C-4	
IC901	B-3	Q911	B-4	TP905	C-4	
IC902	A-3	Q912	B-4			
IC903	A-4	Q913	B-4			
		Q916	C-4	T901	A-4	
LV301	C-4	Q919	A-4	T902	B-4	
LV351	C-4	Q920	A-4	T903	C-4	
LV401	D-4	Q921	A-4	T904	C-4	
LV402	E-4	Q922	A-4	T905	C-4	
LV451	D-4	Q925	C-4	T906	C-4	
LV452	E-4	Q926	C-3			
LV901	A-4	Q927	B-4	X501	A-3	
LV902	A-4	Q928	B-4			
		Q929	C-3			
Q201	E-3					
Q202	F-3					
Q203	B-3	RV301	D-2			
Q204	E-4	RV302	D-3			
Q251	E-3	RV303	D-2			
Q252	F-3	RV304	D-3			
Q253	B-3	RV305	B-3			
Q301	D-3	RV306	C-3			
Q302	D-3	RV353	D-3			
		RV354	D-3			

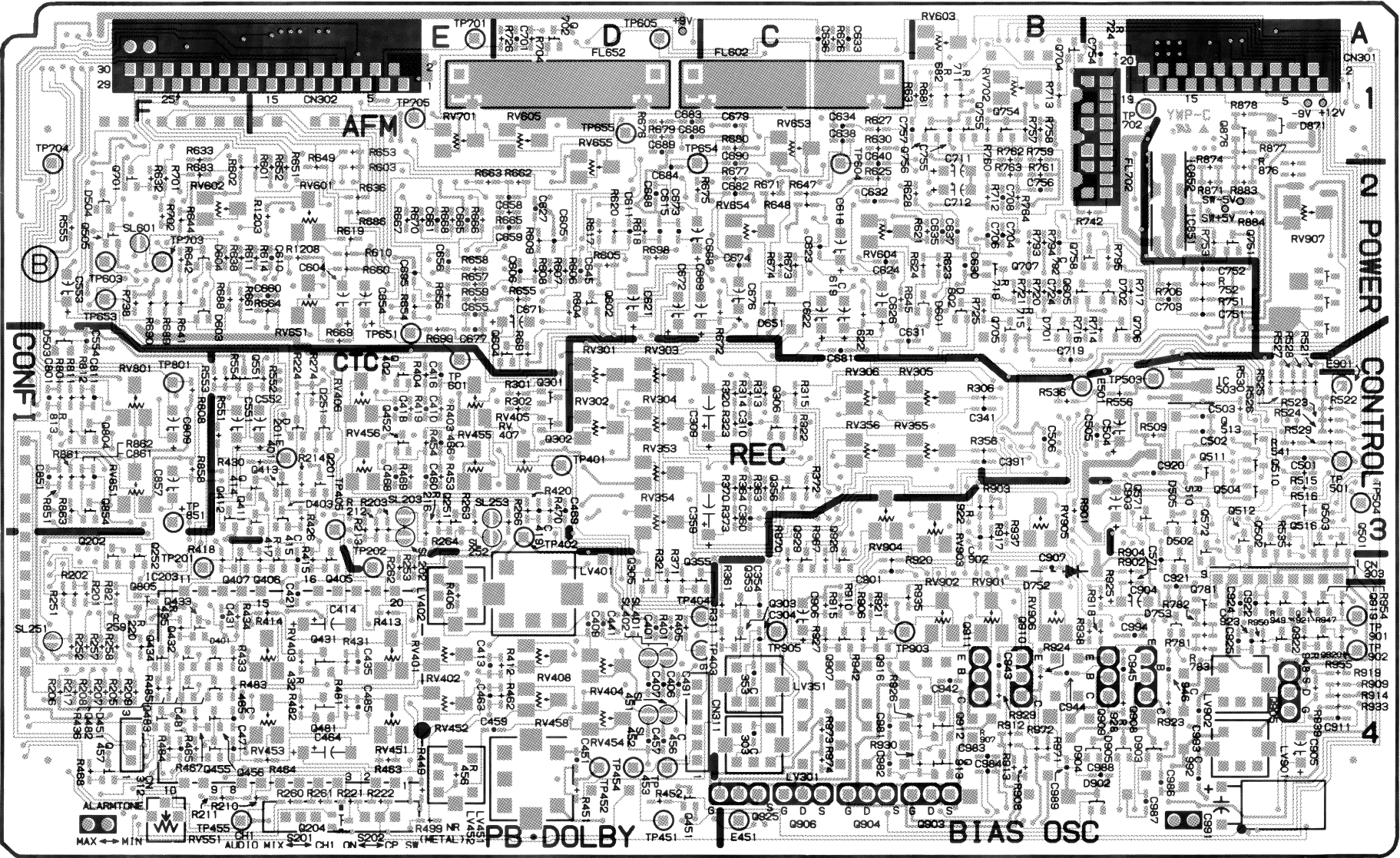
* mark; B SIDE mount.



AU-142 —A SIDE—
1-638-684-14 (1)
BVW-50
BVW-50P

AU-142 ; LNG AUDIO REC/PB SYSTEM
AFM REC/PB SYSTEM

BVW-50 (UC) : Up to S/N 10732
BVW-50 (J) : Up to S/N 10495



AU-142 —B SIDE—
1-638-684-14 (1)
BVW-50
BVW-50P

AU-142 (1-638-684-14)

CN301	A-1	Q301	D-3	*	Q920	A-4	※901	B-4
CN302	E-1	Q302	D-3	*	Q921	A-4	※902	B-4
CN303	A-3	Q303	C-4	*	Q922	A-4	※903	C-4
CN311	C-4	Q304	C-3	*	Q925	C-4	T904	C-4
CN312	F-4	Q305	D-4	*	Q926	C-3	※905	C-4
		Q306	C-3	*	Q927	B-4	T906	C-4
D201	E-3	*	Q353	C-4	*	Q928	B-4	
D202	F-4	*	Q354	C-3	*	Q929	C-3	※501
D251	E-3	*	Q355	C-4	*			A-3
D401	F-4	*	Q356	C-3	*	RV301	D-2	※ mark; B SIDE mount.
D403	E-3	*	Q401	C-3	*	RV302	D-3	*
D451	F-4	*	Q402	E-2	*	RV303	D-2	*
D502	A-3	*	Q404	D-4	*	RV304	D-3	*
D503	F-2	*	Q405	E-4	*	RV305	B-3	*
D504	F-2	*	Q406	E-4	*	RV306	C-3	*
D505	A-3	*	Q407	F-4	*	RV353	D-3	*
D571	A-3	*	Q411	F-3	*	RV354	D-3	*
D601	B-2	*	Q412	F-3	*	RV355	B-3	*
D602	B-2	*	Q413	E-3	*	RV356	C-3	*
D603	F-2	*	Q414	F-3	*	RV401	E-4	*
D604	F-2	*	Q431	E-4	*	RV402	E-4	*
D651	C-2	*	Q432	F-4	*	RV403	E-4	*
D701	B-2	*	Q433	F-4	*	RV404	D-4	*
D702	A-2	*	Q434	F-4	*	RV405	D-3	*
D751	B-2	*	Q451	D-4	*	RV406	E-3	*
D752	B-3	*	Q452	E-3	*	RV407	D-3	*
D753	A-4	*	Q454	D-4	*	RV408	D-4	*
D871	A-1	*	Q455	F-4	*	RV451	E-4	*
D902	A-4	*	Q456	F-4	*	RV452	E-4	*
D903	A-4	*	Q457	F-4	*	RV453	E-4	*
D904	B-4	*	Q481	E-4	*	RV454	D-4	*
D905	A-4	*	Q482	F-4	*	RV455	E-3	*
			Q483	F-4	*	RV456	E-3	*
E401	E-3	Q501	A-3	*	RV458	D-4	*	
E451	C-4	Q502	A-3	*	RV551	F-4	*	
E501	B-3	Q503	A-3	*	RV601	E-2	*	
E901	A-3	Q504	A-3	*	RV602	F-2	*	
		Q505	F-2	*	RV603	B-1	*	
FL201	F-3	Q506	E-3	*	RV604	C-2	*	
FL601	F-1	Q507	E-3	*	RV605	D-1	*	
FL602	C-1	Q508	A-2	*	RV651	E-2	*	
FL652	D-1	Q509	A-2	*	RV653	C-1	*	
FL701	B-1	Q510	A-3	*	RV654	C-2	*	
FL702	A-1	Q511	A-3	*	RV655	D-1	*	
		Q512	A-3	*	RV701	E-1	*	
IC201	F-3	Q513	A-3	*	RV702	B-1	*	
IC202	F-4	Q514	B-3	*	RV801	F-2	*	
IC203	E-3	Q516	A-3	*	RV851	F-3	*	
IC301	D-2	Q551	E-2	*	RV901	B-4	*	
IC302	C-2	Q571	A-3	*	RV902	B-4	*	
IC303	C-2	Q572	A-3	*	RV903	B-3	*	
IC351	D-3	Q601	F-2	*	RV904	C-3	*	
IC352	C-3	Q602	D-2	*	RV905	B-3	*	
IC353	C-3	Q603	F-2	*	RV906	B-4	*	
IC401	E-4	Q604	D-2	*	RV907	A-2	*	
IC402	E-4	Q605	B-2	*				
IC403	E-3	Q651	F-2	*	S201	E-4		
IC501	A-3	Q701	F-2	*	S202	E-4		
IC502	B-3	Q702	D-1	*				
IC503	A-3	Q704	B-1	*	TP201	F-3		
IC601	E-1	Q705	B-2	*	TP202	E-3		
IC602	D-2	Q706	A-2	*	TP401	D-3		
IC603	B-2	Q707	B-2	*	TP402	D-3		
IC604	E-2	Q751	A-2	*	TP403	C-4		
IC605	F-2	Q754	B-1	*	TP404	D-3		
IC653	C-2	Q755	B-1	*	TP405	E-3		
IC701	B-2	Q756	C-1	*	TP451	D-4		
IC702	F-2	Q757	B-2	*	TP452	D-4		
IC751	B-1	Q758	B-2	*	TP453	D-4		
IC801	F-3	Q781	A-4	*	TP454	D-4		
IC802	F-3	Q801	F-2	*	TP455	F-4		
IC851	A-2	Q804	F-3	*	TP501	A-3		
IC852	A-2	Q805	F-4	*	TP503	A-2		
IC853	A-4	Q854	F-3	*	TP504	A-3		
IC901	B-3	Q871	A-2	*	TP601	E-2		
IC902	A-3	Q875	A-2	*	TP603	F-2		
IC903	A-4	Q876	A-1	*	TP604	C-1		
		Q879	F-3	*	TP605	D-1		
LV301	C-4	Q880	A-2	*	TP651	E-2		
LV351	C-4	Q881	A-4	*	TP653	F-2		
LV401	D-3	Q903	B-4	*	TP654	C-1		
LV402	E-3	Q904	C-4	*	TP655	D-1		
LV451	D-4	Q905	A-4	*	TP701	E-1		
LV452	E-4	Q906	C-4	*	TP702	A-1		
LV901	A-4	Q907	C-4	*	TP703	F-2		
LV902	A-4	Q908	A-4	*	TP704	F-2		
		Q909	A-4	*	TP705	E-1		
Q201	E-3	*	Q910	B-4	*	TP801	F-2	
Q202	F-3	*	Q911	B-4	*	TP851	F-3	
Q203	B-3	*	Q912	B-4	*	TP901	A-4	
Q251	E-3	*	Q913	B-4	*	TP902	A-4	
Q252	F-4	*	Q916	C-4	*	TP903	C-4	
Q253	B-3	*	Q919	A-4	*	TP905	C-4	

VR-118 ; AUDIO LEVEL CONTROL
POWER SWITCH

VR-118 (1-638-692-14)

CN551	A-2
CN552	A-1
CN553	B-1
CN554	C-1
CN555	C-1
CN556	C-1
CN557	A-2

D301	B-1	*
D302	C-1	*

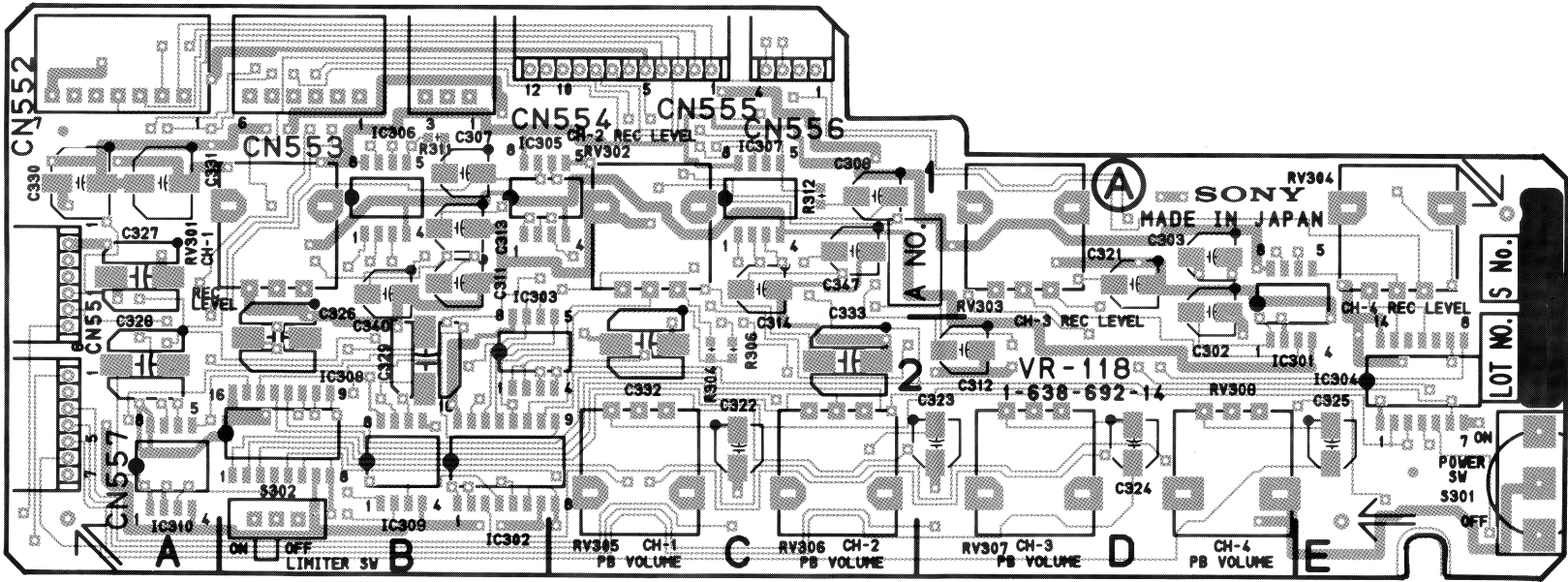
IC301	D-2
IC302	B-2
IC303	B-1
IC304	E-2
IC305	B-1
IC306	B-1
IC307	C-1
IC308	B-2
IC309	B-2
IC310	A-2

Q301	C-1	*
Q302	D-2	*
Q303	B-2	*
Q304	C-2	*
Q305	B-1	*
Q306	C-1	*
Q307	B-2	*
Q308	C-2	*
Q309	B-2	*
Q310	D-2	*
Q311	B-1	*
Q312	D-2	*
Q313	B-2	*
Q314	C-1	*

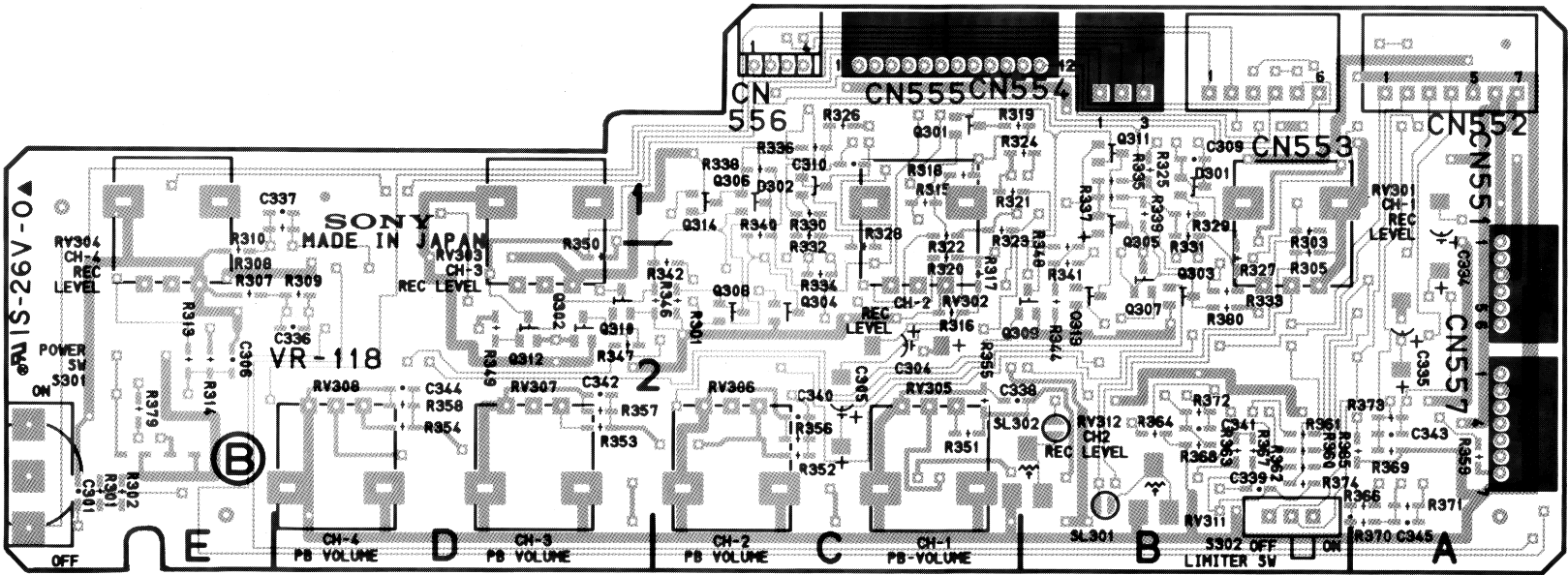
RV301	A-1	
RV302	C-1	
RV303	D-1	
RV304	E-1	
RV305	C-2	
RV306	C-2	
RV307	D-2	
RV308	D-2	
RV311	B-2	*
RV312	B-2	*

S301	E-2
S302	B-2

* mark; B SIDE mount.



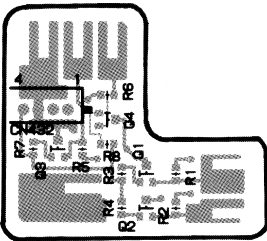
VR-118 —A SIDE—
1-638-692-14,15 (1)
BVW-50
BVW-50P



VR-118 —B SIDE—
1-638-692-14,15 (1)
BVW-50
BVW-50P

DUS-339 ; PHONES JACK

FE-11 ; FULL ERASE OSCILLATOR

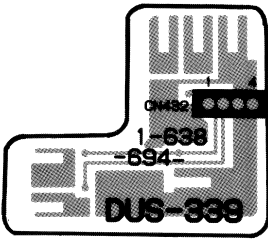


DUS-339 —A SIDE—

1-638-694-13 (1)

BVW-50

BVW-50P

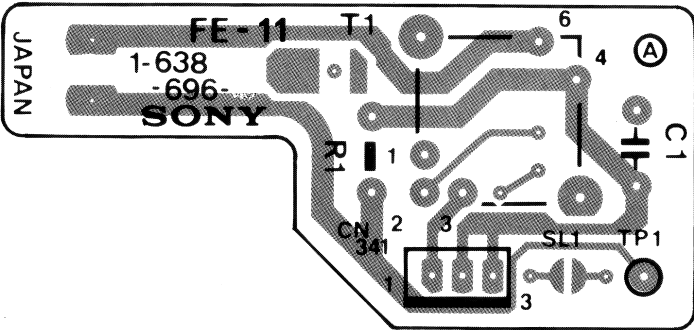


DUS-339 —B SIDE—

1-638-694-13 (1)

BVW-50

BVW-50P

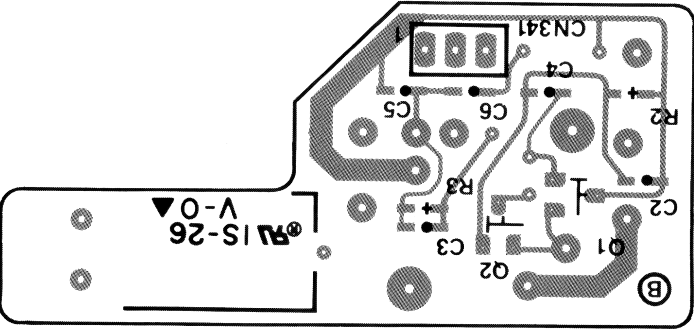


FE-11 —A SIDE—

1-638-696-13,14 (1)

BVW-50

BVW-50P



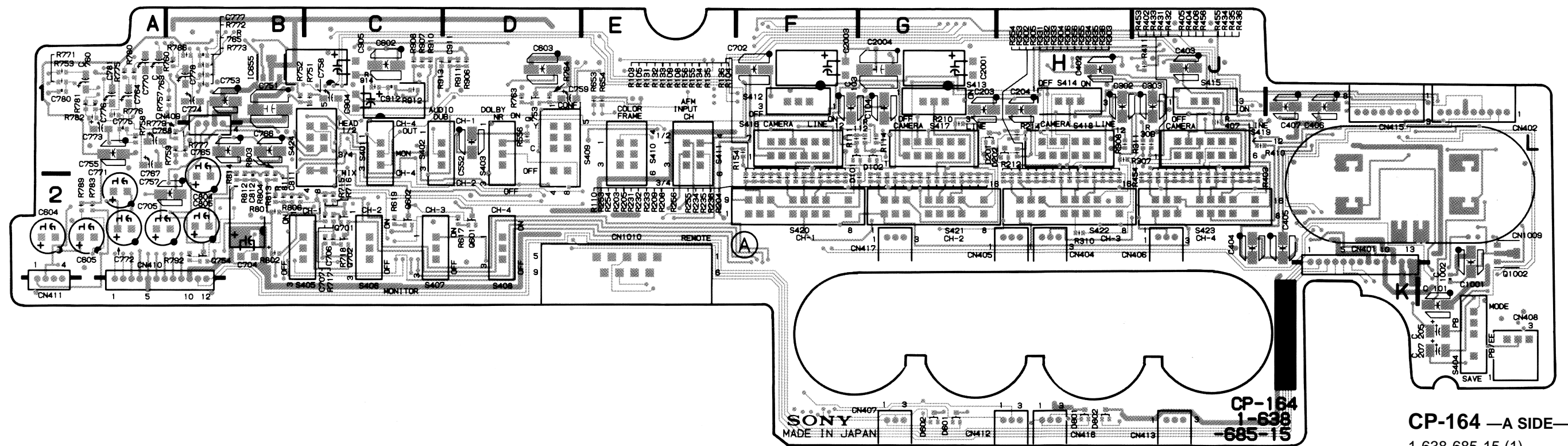
FE-11 —B SIDE—

1-638-696-13,14 (1)

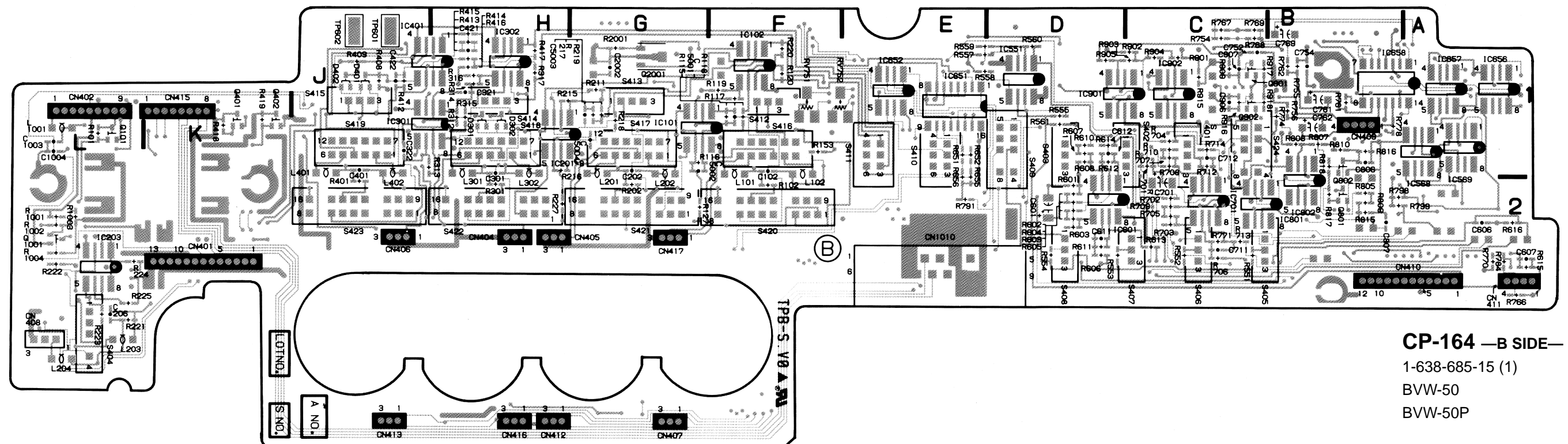
BVW-50

BVW-50P

CP-164/A ; AUDIO INPUT/OUTPUT SYSTEM
PANEL SWITCHES



CP-164 —A SIDE—
1-638-685-15 (1)
BVW-50
BVW-50P



CP-164 —B SIDE—
1-638-685-15 (1)
BVW-50
BVW-50P

CP-164/A (1-638-685-15)

CN401	K-2	S421	G-2
CN402	L-1	S422	H-2
CN404	H-2	S423	J-2
CN405	G-2	S424	B-1
CN406	J-2		
CN407	G-2	TP601	J-1 *
CN408	L-2	TP602	J-1 *
CN409	B-1		
CN410	A-2	* mark; B SIDE mount.	
CN411	A-2		
CN412	G-2		
CN413	J-2		
CN415	K-1		
CN416	H-2		
CN417	G-2		
CN1009	L-2		
D101	F-1		
D102	G-1		
D201	G-1		
D202	H-1		
D301	H-1 *		
D302	H-1 *		
D401	J-1 *		
D402	J-1 *		
D601	G-2		
D602	G-2		
D801	H-2		
D802	H-2		
IC101	G-1 *		
IC102	F-1 *		
IC201	H-1 *		
IC203	L-2 *		
IC301	J-1 *		
IC302	H-1 *		
IC401	J-1 *		
IC551	D-1 *		
IC568	A-2 *		
IC569	A-2 *		
IC601	C-2 *		
IC651	E-1 *		
IC652	E-1 *		
IC655	B-1		
IC656	A-1 *		
IC657	A-1 *		
IC658	B-1 *		
IC701	C-2 *		
IC801	B-2 *		
IC802	B-2 *		
IC901	D-1 *		
IC902	C-1 *		
Q101	L-1 *		
Q401	K-1 *		
Q402	K-1 *		
Q601	D-2		
Q602	C-2		
Q701	C-2		
Q702	C-2		
Q753	D-1		
Q754	B-2		
Q801	B-2 *		
Q802	B-2 *		
Q901	B-1 *		
Q902	C-1 *		
Q1001	L-2 *		
Q1002	L-2		
Q2001	G-1 *		
RV751	F-1 *		
RV752	F-1 *		
S401	C-1		
S402	C-1		
S403	D-1		
S404	L-2		
S405	C-2		
S406	C-2		
S407	C-2		
S408	D-2		
S409	E-1		
S410	E-1		
S411	E-1		
S412	F-1		
S413	G-1		
S414	H-1		
S415	J-1		
S416	F-1		
S417	G-1		
S418	H-1		
S419	J-1		
S420	F-2		

SST-1 ; SERVO & SYSTEM CONTROL
TIME CODE

BVW-50 (UC) : S/N 13442 and Higher
BVW-50 (J) : S/N 11816 and Higher

SST-1 (1-638-690-16)

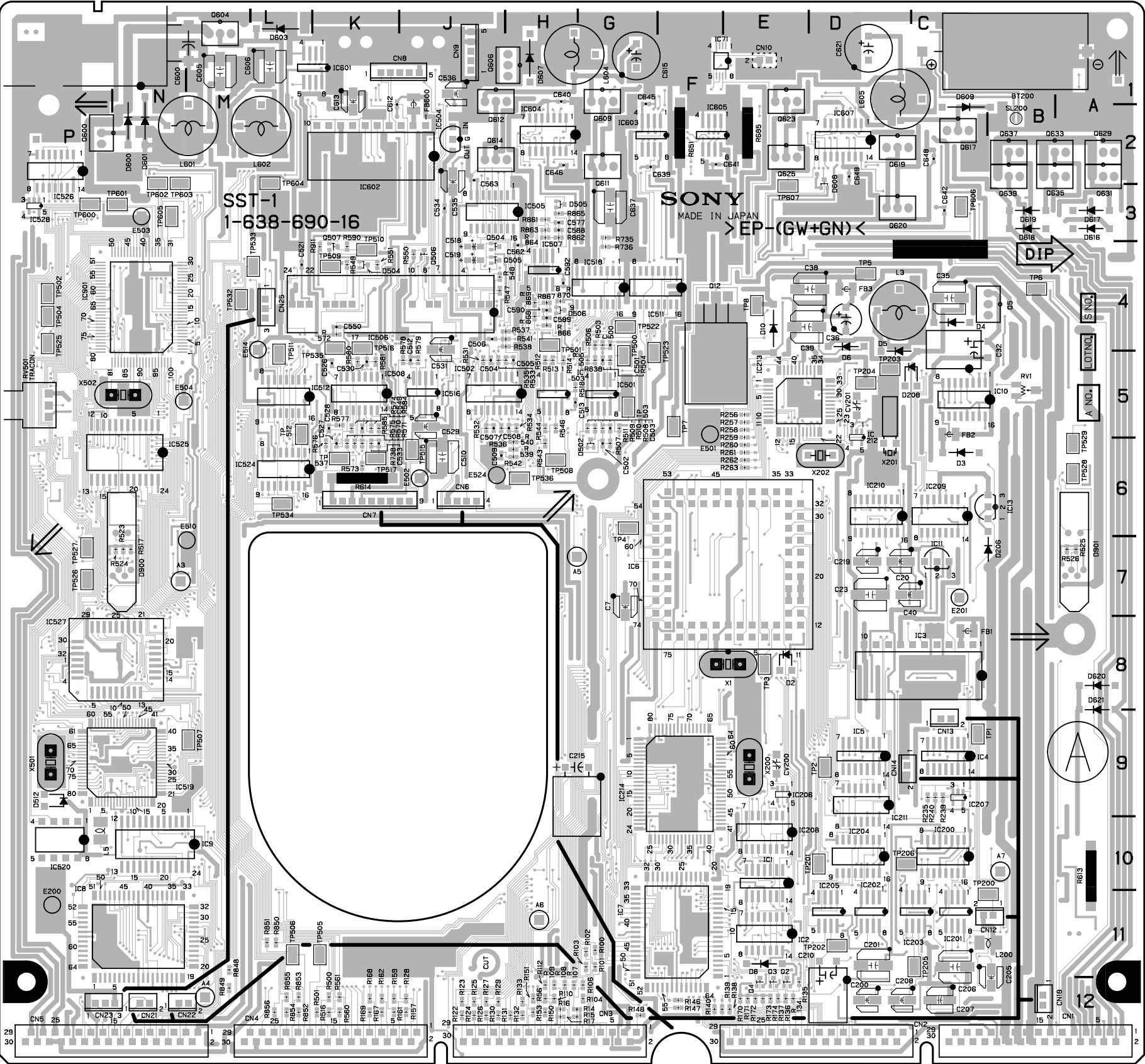
BT200	B-1	IC204	D-10
CN1	A-12	IC205	D-10
CN2	C-12	IC206	E-9
CN3	G-12	IC207	C-9
CN4	M-12	IC208	E-10
CN5	P-12	IC209	C-6
CN6	J-6	IC210	D-6
CN7	K-6	IC211	D-10
CN8	K-1	IC212	D-5
CN9	J-1	IC213	E-5
CN200	E-9	IC214	G-9
CV201	D-5	IC501	G-5
D1	D-12 *	IC502	H-5
D2	E-8	IC503	H-5
D3	C-6	IC504	J-2
D4	C-4	IC505	H-3
D5	D-4	IC506	K-4
D6	D-5	IC507	H-4
D7	N-10 *	IC508	K-5
D8	E-11	IC511	G-4
D10	E-4	IC512	K-5
D11	C-8 *	IC516	J-5
D12	N-10 *	IC518	G-4
D200	C-10 *	IC519	N-9
D201	C-11 *	IC520	P-10
D202	C-11 *	IC524	M-6
D203	D-10 *	IC525	N-5
D204	D-11 *	IC526	P-3
D205	C-1 *	IC527	P-8
D206	B-7	IC528	P-3
D207	E-9	IC601	K-1
D208	D *	IC602	K-3
D502	G-6	IC603	G-2
D504	K-4	IC604	G-2
D505	H-3	IC605	F-2
D506	H-4	IC607	D-2
D509	H-5 *	IC901	P-4
D512	P-9	Q1	D-12 *
D600	N-2	Q2	E-11
D601	N-2	Q3	E-11
D603	L-1	Q4	E-12
D605	G-2 *	Q5	B-4
D606	G-2 *	Q6	D-4 *
D607	H-1	Q7	E-4 *
D608	D-3	Q8	E-4 *
D609	C-1	Q9	G-11 *
D610	D-2 *	Q10	N-10 *
D613	A-1 *	Q11	B-12 *
D614	B-1 *	Q12	F-4
D616	A-3	Q13	E-4 *
D617	A-3	Q14	D-8 *
D618	B-3	Q200	B-11 *
D619	B-3	Q502	J-5 *
D620	A-8	Q503	B-5 *
D621	A-8	Q504	J-3
D900	N-7 *	Q505	H-4
D901	A-7 *	Q506	J-4
E200	P-11	Q507	K-3
E201	C-7	Q600	P-2
E501	F-6	Q602	P-1 *
E502	J-6	Q603	K-2 *
E503	N-3	Q604	M-1
E504	M-5	Q605	L-1 *
E510	M-6	Q606	J-1
E514	M-5	Q607	J-2 *
E524	J-6	Q608	G-2 *
FB1	C-8	Q609	G-2 *
FB2	C-5	Q610	G-2 *
FB3	D-4	Q611	G-2 *
FB300	J-2	Q612	J-2
IC1	E-10	Q613	H-3 *
IC2	E-11	Q614	J-2 *
IC3	C-8	Q615	J-2 *
IC4	C-9	Q617	C-2
IC5	D-9	Q618	C-1 *
IC6	G-7	Q619	D-2
IC7	G-11	Q620	D-3
IC8	P-10	Q621	D-2 *
IC9	M-10	Q622	D-3 *
IC10	B-5	Q623	E-2
IC11	C-7	Q624	E-2 *
IC13	B-6	Q625	E-2
IC71	F-1	Q626	E-2 *
IC200	C-10	Q629	A-2
IC201	C-11	Q631	A-3
IC202	D-10	Q633	B-2
IC203	D-11	Q635	B-3
		Q637	B-2
		Q639	B-3
		Q640	A-1 *
		Q641	A-1 *

RV1	B-5
RV500	K-1 *
RV501	P-5
RV504	J-1 *
S501	K-1 *
S502	J-1 *
TP1	C-9
TP2	D-9
TP3	E-8
TP4	G-7
TP5	D-4
TP6	B-4
TP7	F-5
TP8	E-4
TP200	C-10
TP201	D-10
TP202	D-11
TP203	D-5
TP204	D-5
TP205	C-11
TP206	D-10
TP500	G-5
TP501	H-4
TP502	P-4
TP503	G-5
TP504	P-4
TP505	K-11
TP506	L-11
TP507	M-9
TP508	H-6
TP509	K-4
TP510	K-3
TP511	L-5
TP512	L-5
TP515	J-6
TP516	K-4
TP517	K-6
TP522	G-4
TP523	F-5
TP525	P-5
TP526	P-7
TP527	P-7
TP528	A-6
TP529	A-6
TP532	M-4
TP533	L-4
TP534	L-6
TP535	K-5
TP536	H-6
TP537	K-6
TP600	P-3
TP601	N-3
TP602	N-3
TP603	N-3
TP604	L-2
TP605	N-3
TP606	C-3
TP607	E-3

X1	E-8
X200	E-9
X201	D-6
X202	D-6
X501	P-9
X502	P-5

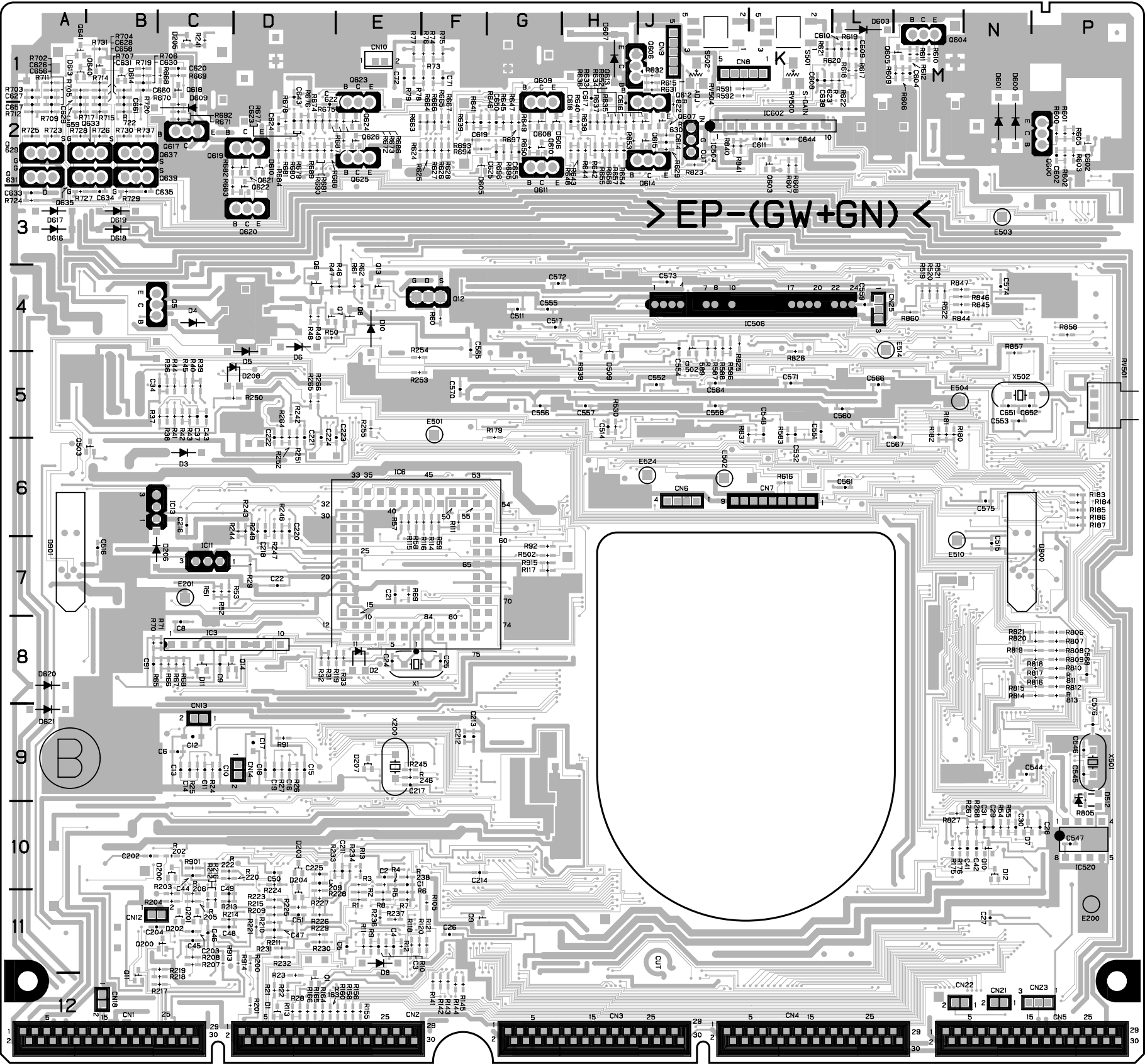
* mark; B SIDE mount.

SST-1 —A SIDE—
1-638-690-16 (1)
BVW-50
BVW-50P



SST-1 ; SERVO & SYSTEM CONTROL
TIME CODE

BVW-50 (UC) : S/N 13442 and Higher
BVW-50 (J) : S/N 11816 and Higher



SST-1 (1-638-690-16)

BT200	B-1	IC204	D-10	RV1	B-5
CN1	A-12	IC205	D-10	RV500	K-1 *
CN2	C-12	IC206	E-9	RV501	P-5
CN3	G-12	IC207	C-9	RV504	J-1 *
CN4	M-12	IC208	E-10		
CN5	P-12	IC209	C-6	S501	K-1 *
CN6	J-6	IC210	D-6	S502	J-1 *
CN7	K-6	IC211	D-10		
CN8	K-1	IC212	D-5	TP1	C-9
CN9	J-1	IC213	E-5	TP2	D-9
CN200	E-9	IC214	G-9	TP3	E-8
		IC501	G-5	TP4	G-7
		IC502	H-5	TP5	D-4
CV201	D-5	IC503	H-5	TP6	B-4
		IC504	J-2	TP7	F-5
D1	D-12 *	IC505	H-3	TP8	E-4
D2	E-8	IC506	K-4	TP200	C-10
D3	C-6	IC507	H-4	TP201	D-10
D4	C-4	IC508	K-5	TP202	D-11
D5	D-4	IC511	G-4	TP203	D-5
D6	D-5	IC512	K-5	TP204	D-5
D7	N-10 *	IC515	J-5	TP205	C-11
D8	E-11	IC518	G-4	TP206	D-10
D10	E-4	IC519	N-9	TP500	G-5
D11	C-8 *	IC520	P-10	TP501	H-4
D12	N-10 *	IC524	M-6	TP502	P-4
D200	C-10 *	IC525	N-5	TP503	G-5
D201	C-11 *	IC526	P-3	TP504	P-4
D202	C-11 *	IC527	P-8	TP505	K-11
D203	D-10 *	IC528	P-3	TP506	L-11
D204	D-11 *	IC601	K-1	TP507	M-9
D205	C-1 *	IC602	K-3	TP508	H-6
D206	B-7	IC603	G-2	TP509	K-4
D207	E-9 *	IC604	G-2	TP510	K-3
D208	D-5	IC605	F-2	TP511	L-5
D502	G-6	IC607	D-2	TP512	L-5
D504	K-4	IC901	P-4	TP515	J-6
D505	H-3			TP516	K-4
D506	H-4	Q1	D-12 *	TP517	K-6
D509	H-5	Q2	E-11	TP522	G-4
D512	P-9	Q3	E-11	TP523	F-5
D600	N-2	Q4	E-12	TP525	P-5
D601	N-2	Q5	B-4	TP526	P-7
D603	L-1	Q6	D-4 *	TP527	P-7
D605	G-2 *	Q7	E-4 *	TP528	A-6
D606	G-2 *	Q8	E-4 *	TP529	A-6
D607	H-1	Q9	G-11 *	TP532	M-4
D608	D-3	Q10	N-10 *	TP533	L-4
D609	C-1	Q11	B-12 *	TP534	L-6
D610	D-2 *	Q12	F-4	TP535	K-5
D613	A-1 *	Q13	E-4 *	TP536	H-6
D614	B-1 *	Q14	D-8 *	TP537	K-6
D616	A-3	Q200	B-11 *	TP600	P-3
D617	A-3	Q502	J-5 *	TP601	N-3
D618	B-3	Q503	B-5 *	TP602	N-3
D619	B-3	Q504	J-3	TP603	N-3
D620	A-8	Q505	H-4	TP604	L-2
D621	A-8	Q506	J-4	TP605	N-3
D900	N-7 *	Q507	K-3	TP606	C-3
D901	A-7 *	Q600	P-2	TP607	E-3
		Q602	P-1 *		
E200	P-11	Q603	K-2 *	X1	E-8
E201	C-7	Q604	M-1	X200	E-9
E501	F-6	Q605	L-1 *	X201	D-6
E502	J-6	Q606	J-1	X202	D-6
E503	N-3	Q607	J-2 *	X501	P-9
E504	M-5	Q608	G-2 *	X502	P-5
E510	M-6	Q609	G-2		
E514	M-5	Q610	G-2 *		
E524	J-6	Q611	G-2		
		Q612	J-2		
FB1	C-8	Q613	H-3 *		
FB2	C-5	Q614	J-2 *		
FB3	D-4	Q615	J-2 *		
FB600	J-2	Q617	C-2		
		Q618	C-1 *		
IC1	E-10	Q619	D-2		
IC2	E-11	Q620	D-3		
IC3	C-8	Q621	D-2 *		
IC4	C-9	Q622	D-3 *		
IC5	D-9	Q623	E-2		
IC6	G-7	Q624	E-2 *		
IC7	G-11	Q625	E-2		
IC8	P-10	Q626	E-2 *		
IC9	M-10	Q629	A-2		
IC10	B-5	Q631	A-3		
IC11	C-7	Q633	B-2		
IC13	B-6	Q635	B-3		
IC71	F-1	Q637	B-2		
IC200	C-10	Q639	B-3		
IC201	C-11	Q640	A-1 *		
IC202	D-10	Q641	A-1 *		
IC203	D-11				

SST-1 —B SIDE—

1-638-690-16 (1)

BVW-50

BVW-50P

SST-1 ; SERVO & SYSTEM CONTROL
TIME CODE

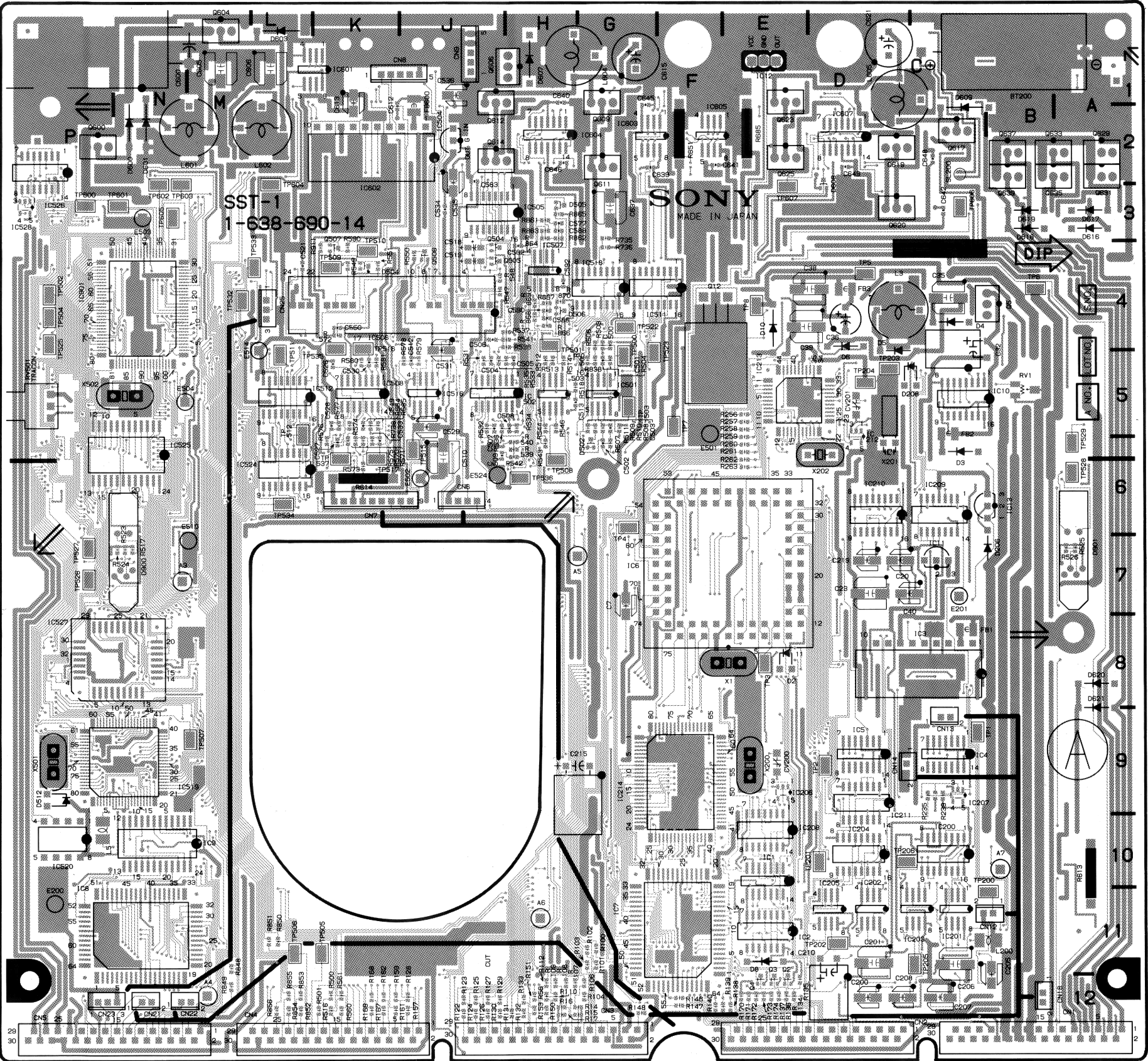
BVW-50 (UC) : Up to S/N 13441
BVW-50 (J) : Up to S/N 11815

SST-1 (1-638-690-14)

BT200	B-1	IC204	D-10	RV1	B-5
		IC205	D-10	RV500	K-1 *
CN1	A-12	IC206	E-9	RV501	P-5
CN2	C-12	IC207	C-9	RV504	J-1 *
CN3	G-12	IC208	E-10		
CN4	M-12	IC209	C-6	S501	K-1 *
CN5	P-12	IC210	D-6	S502	J-1 *
CN6	J-6	IC211	D-10		
CN7	K-6	IC212	D-5	TP1	C-9
CN8	K-1	IC213	E-5	TP2	D-9
CN9	J-1	IC214	G-9	TP3	E-8
CN200	E-9	IC501	G-5	TP4	G-7
		IC502	H-5	TP5	D-4
CV201	D-5	IC503	H-5	TP6	B-4
		IC504	J-2	TP7	F-5
		IC505	H-3	TP8	E-4
D1	D-12 *	IC506	K-4	TP200	C-10
D2	E-8	IC507	H-4	TP201	D-10
D3	C-6	IC508	K-5	TP202	D-11
D4	C-4	IC511	G-4	TP203	D-5
D5	D-4	IC512	K-5	TP204	D-5
D6	D-5	IC516	J-5	TP205	C-11
D7	N-10 *	IC518	G-4	TP206	D-10
D8	E-11	IC519	N-9	TP500	G-5
D10	E-4	IC520	P-10	TP501	H-4
D11	C-8 *	IC524	M-6	TP502	P-4
D12	N-10 *	IC525	N-5	TP503	G-5
D200	C-10 *	IC526	P-3	TP504	P-4
D201	C-11 *	IC527	P-8	TP505	K-11
D202	C-11 *	IC528	P-3	TP506	L-11
D203	D-10 *	IC601	K-1	TP507	M-9
D204	D-11 *	IC602	K-3	TP508	H-6
D205	C-1	IC603	G-2	TP509	K-4
D206	B-7	IC604	G-2	TP510	K-3
D207	E-9 *	IC605	F-2	TP511	L-5
D208	D-5	IC607	D-2	TP512	L-5
D502	G-6	IC901	P-4	TP515	J-6
D504	K-4			TP516	K-4
D505	H-3	Q1	D-12 *	TP517	K-6
D506	H-4	Q2	E-11	TP522	G-4
D509	H-5 *	Q3	E-11	TP523	F-5
D512	P-9	Q4	E-12	TP525	P-5
D600	N-2	Q5	B-4	TP526	P-7
D601	N-2	Q6	D-4 *	TP527	P-7
D603	L-1	Q7	E-4 *	TP528	A-6
D605	G-2 *	Q8	E-4 *	TP529	A-6
D606	G-2 *	Q9	G-11 *	TP532	M-4
D607	H-1	Q10	N-10 *	TP533	L-4
D608	D-3	Q11	B-12 *	TP534	L-6
D609	C-1	Q12	F-4	TP535	K-5
D610	D-2 *	Q13	E-4 *	TP536	H-6
D613	A-1 *	Q14	D-8 *	TP537	K-6
D614	B-1 *	Q200	B-11 *	TP600	P-3
D616	A-3	Q502	J-5 *	TP601	N-3
D617	A-3	Q503	B-5 *	TP602	N-3
D618	B-3	Q504	J-3	TP603	N-3
D619	B-3	Q505	H-4	TP604	L-2
D620	A-8	Q506	J-4	TP605	N-3
D621	A-8	Q507	K-3	TP606	C-3
D900	N-7 *	Q600	P-2	TP607	E-3
D901	A-7 *	Q602	P-1 *		
		Q603	K-2 *	X1	E-8
E200	P-11	Q604	M-1	X200	E-9
E201	C-7	Q605	L-1 *	X201	D-6
E501	F-6	Q606	J-1	X202	D-6
E502	J-6	Q607	J-2 *	X501	P-9
E503	N-3	Q608	G-2 *	X502	P-5
E504	M-5	Q609	G-2		
E510	M-6	Q610	G-2 *		
E514	M-5	Q611	G-2		
E524	J-6	Q612	J-2		
		Q613	H-3 *		
FB1	C-8	Q614	J-2 *		
FB2	C-5	Q615	J-2 *		
FB3	D-4	Q617	C-2		
FB600	J-2	Q618	C-1 *		
		Q619	D-2		
IC1	E-10	Q620	D-3		
IC2	E-11	Q621	D-2 *		
IC3	C-8	Q622	D-3 *		
IC4	C-9	Q623	E-2		
IC5	D-9	Q624	E-2 *		
IC6	G-7	Q625	E-2		
IC7	G-11	Q626	E-2 *		
IC8	P-10	Q629	A-2		
IC9	M-10	Q631	A-3		
IC10	B-5	Q633	B-2		
IC11	C-7	Q635	B-3		
IC12	E-1 *	Q637	B-2		
IC13	B-6	Q639	B-3		
IC200	C-10	Q640	A-1 *		
IC201	C-11	Q641	A-1 *		
IC202	D-10				
IC203	D-11				

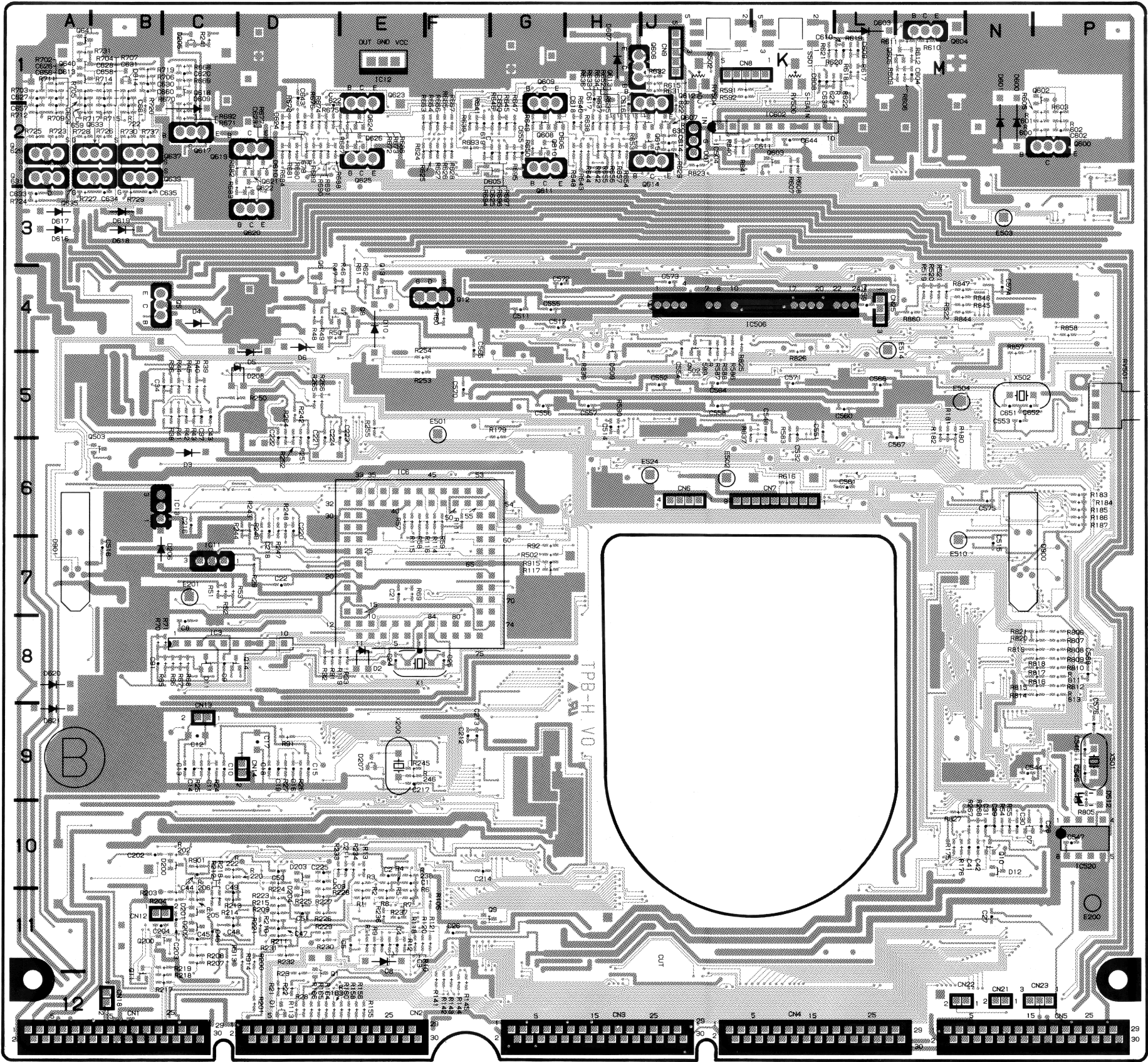
* mark; B SIDE mount.

SST-1 —A SIDE—
1-638-690-14 (1)
BVW-50
BVW-50P



SST-1 ; SERVO & SYSTEM CONTROL
TIME CODE

BVW-50 (UC) : Up to S/N 13441
BVW-50 (J) : Up to S/N 11815



SST-1 (1-638-690-16)

BT200	B-1	IC204	D-10	RV1	B-5
		IC205	D-10	RV500	K-1 *
CN1	A-12	IC206	E-9	RV501	P-5
CN2	C-12	IC207	C-9	RV504	J-1 *
CN3	G-12	IC208	E-10		
CN4	M-12	IC209	C-6	S501	K-1 *
CN5	P-12	IC210	D-6	S502	J-1 *
CN6	J-6	IC211	D-10		
CN7	K-6	IC212	D-5	TP1	C-9
CN8	K-1	IC213	E-5	TP2	D-9
CN9	J-1	IC214	G-9	TP3	E-8
CN200	E-9	IC501	G-5	TP4	G-7
		IC502	H-5	TP5	D-4
CV201	D-5	IC503	H-5	TP6	B-4
		IC504	J-2	TP7	F-5
D1	D-12 *	IC505	H-3	TP8	E-4
D2	E-8	IC506	K-4	TP200	C-10
D3	C-6	IC507	H-4	TP201	D-10
D4	C-4	IC508	K-5	TP202	D-11
D5	D-4	IC511	G-4	TP203	D-5
D6	D-5	IC512	K-5	TP204	D-5
D7	N-10 *	IC516	J-5	TP205	C-11
D8	E-11	IC518	G-4	TP206	D-10
D10	E-4	IC519	N-9	TP500	G-5
D11	C-8 *	IC520	P-10	TP501	H-4
D12	N-10 *	IC524	M-6	TP502	P-4
D200	C-10 *	IC525	N-5	TP503	G-5
D201	C-11 *	IC526	P-3	TP504	P-4
D202	C-11 *	IC527	P-8	TP505	K-11
D203	D-10 *	IC528	P-3	TP506	L-11
D204	D-11 *	IC601	K-1	TP507	M-9
D205	C-1 *	IC602	K-3	TP508	H-6
D206	B-7	IC603	G-2	TP509	K-4
D207	E-9 *	IC604	G-2	TP510	K-3
D208	D-5	IC605	F-2	TP511	L-5
D502	G-6	IC607	D-2	TP512	L-5
D504	K-4	IC901	P-4	TP515	J-6
D505	H-3			TP516	K-4
D506	H-4	Q1	D-12 *	TP517	K-6
D509	H-5 *	Q2	E-11	TP522	G-4
D512	P-9	Q3	E-11	TP523	F-5
D600	N-2	Q4	E-12	TP525	P-5
D601	N-2	Q5	B-4	TP526	P-7
D603	L-1	Q6	D-4 *	TP527	P-7
D605	G-2 *	Q7	E-4 *	TP528	A-6
D606	G-2 *	Q8	E-4 *	TP529	A-6
D607	H-1	Q9	G-11 *	TP532	M-4
D608	D-3	Q10	N-10 *	TP533	L-4
D609	C-1	Q11	B-12 *	TP534	L-6
D610	D-2 *	Q12	F-4	TP535	K-5
D613	A-1 *	Q13	E-4 *	TP536	H-6
D614	B-1 *	Q14	D-8 *	TP537	K-6
D616	A-3	Q200	B-11 *	TP600	P-3
D617	A-3	Q502	J-5 *	TP601	N-3
D618	B-3	Q503	B-5 *	TP602	N-3
D619	B-3	Q504	J-3	TP603	N-3
D620	A-8	Q505	H-4	TP604	L-2
D621	A-8	Q506	J-4	TP605	N-3
D900	N-7 *	Q507	K-3	TP606	C-3
D901	A-7 *	Q600	P-2	TP607	E-3
		Q602	P-1 *		
E200	P-11	Q603	K-2 *	X1	E-8
E201	C-7	Q604	M-1	X200	E-9
E501	F-6	Q605	L-1 *	X201	D-6
E502	J-6	Q606	J-1	X202	D-6
E503	N-3	Q607	J-2 *	X501	P-9
E504	M-5	Q608	G-2 *	X502	P-5
E510	M-6	Q609	G-2		
E514	M-5	Q610	G-2 *		
E524	J-6	Q611	G-2		
		Q612	J-2		
FB1	C-8	Q613	H-3 *		
FB2	C-5	Q614	J-2 *		
FB3	D-4	Q615	J-2 *		
FB600	J-2	Q617	C-2		
		Q618	C-1 *		
IC1	E-10	Q619	D-2		
IC2	E-11	Q620	D-3		
IC3	C-8	Q621	D-2 *		
IC4	C-9	Q622	D-3 *		
IC5	D-9	Q623	E-2		
IC6	G-7	Q624	E-2 *		
IC7	G-11	Q625	E-2		
IC8	P-10	Q626	E-2 *		
IC9	M-10	Q629	A-2		
IC10	B-5	Q631	A-3		
IC11	C-7	Q633	B-2		
IC13	B-6	Q635	B-3		
IC71	F-1	Q637	B-2		
IC200	C-10	Q639	B-3		
IC201	C-11	Q640	A-1 *		
IC202	D-10	Q641	A-1 *		
IC203	D-11				

* mark; B SIDE mount.

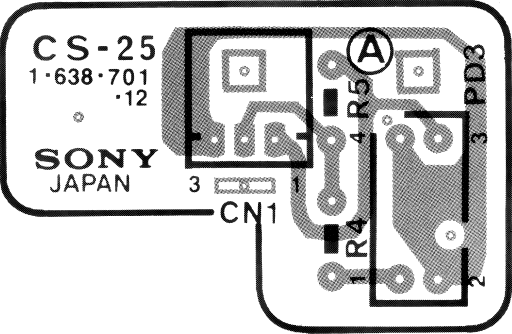
SST-1 —B SIDE—

1-638-690-14 (1)

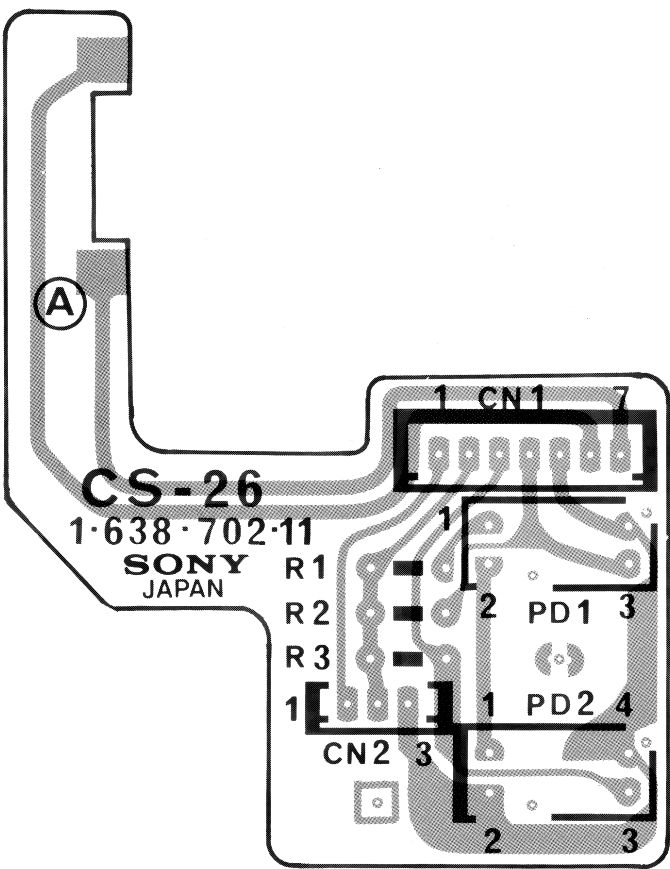
BVW-50

BVW-50P

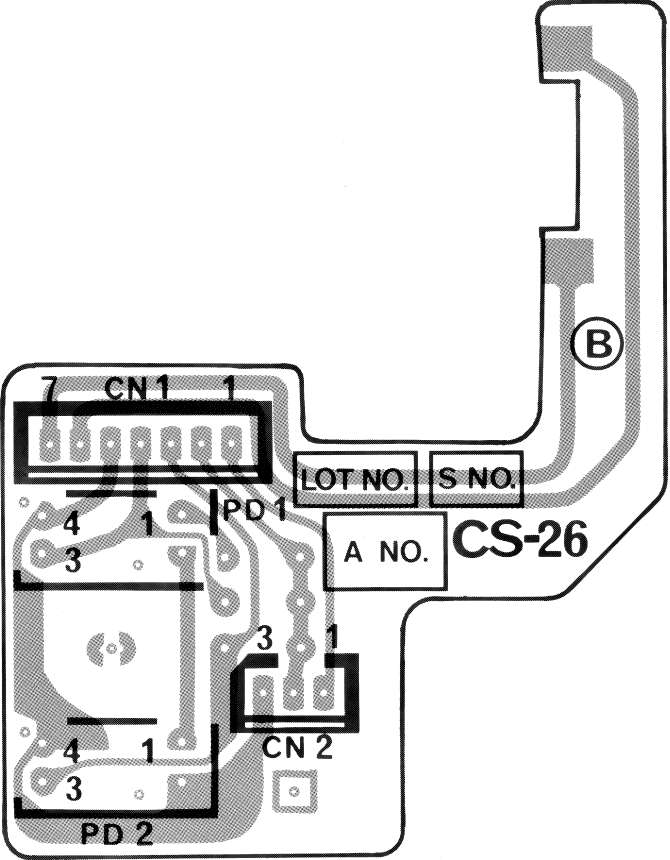
CS-25 ; CASSETTE IN DETECTOR
CS-26 ; CASSETTE UP/DOWN DETECTOR



CS-25 —A SIDE—
1-638-701-12 (1)
BVW-50
BVW-50P

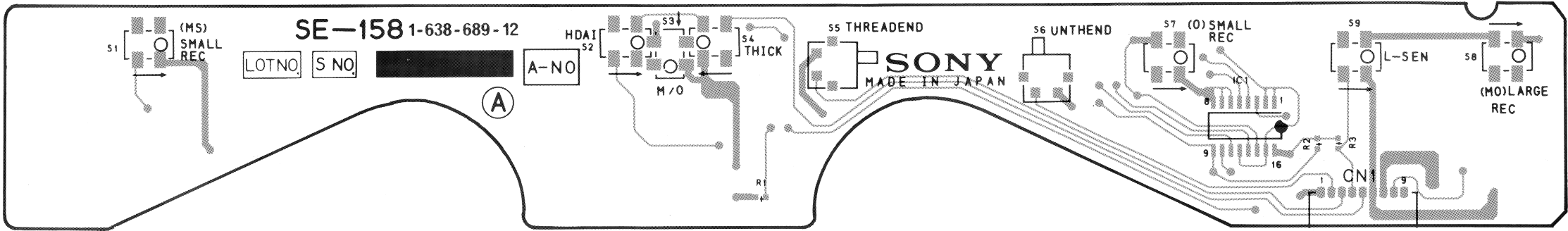


CS-26 —A SIDE—
1-638-702-11 (1)
BVW-50
BVW-50P

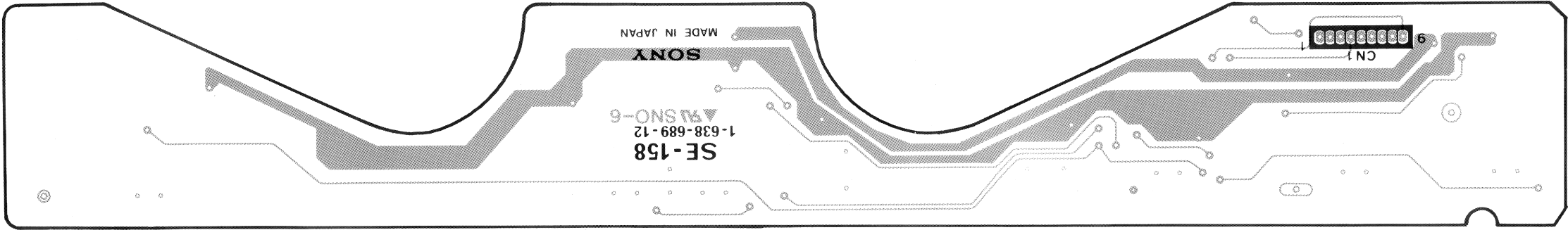


CS-26 —B SIDE—
1-638-702-11 (1)
BVW-50
BVW-50P

SE-158 ; THREAD/UNTHREAD END DETECTOR
CASSETTE/TAPE DETECTOR

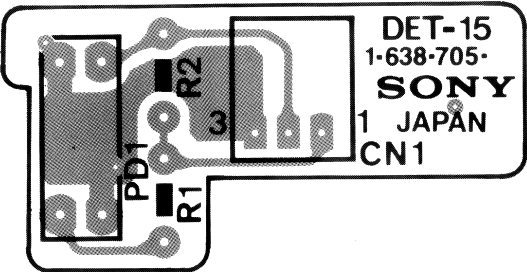


SE-158 —A SIDE—
1-638-689-12 (1)
BVW-50
BVW-50P

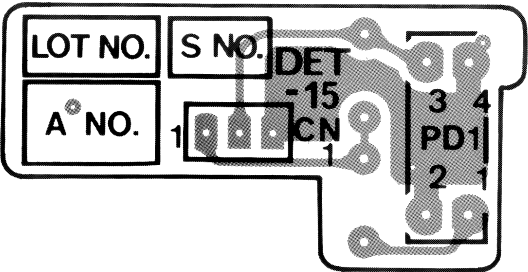


SE-158 —B SIDE—
1-638-689-12 (1)
BVW-50
BVW-50P

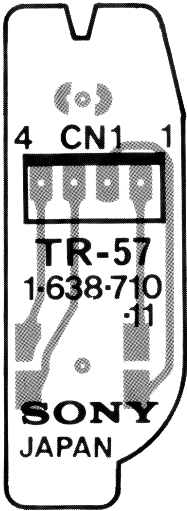
DET-15 ; THREADING FG DETECTOR
TR-57 ; S-TENSION DETECTOR



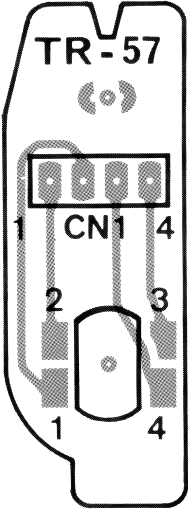
DET-15 —A SIDE—
1-638-705-11,12 (1)
BVW-50
BVW-50P



DET-15 —B SIDE—
1-638-705-11,12 (1)
BVW-50
BVW-50P

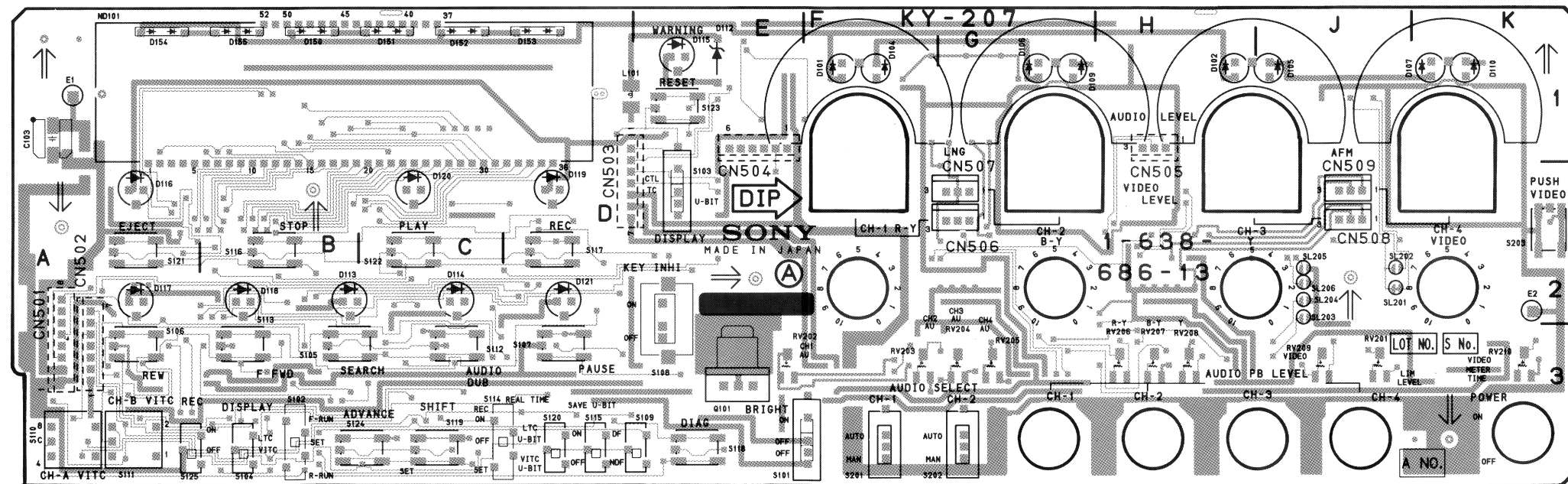


TR-57 —A SIDE—
1-638-710-11 (1)
BVW-50
BVW-50P



TR-57 —B SIDE—
1-638-710-11 (1)
BVW-50
BVW-50P

**KY-207 ; FUNCTION KEYBOARD
METER DRIVER**

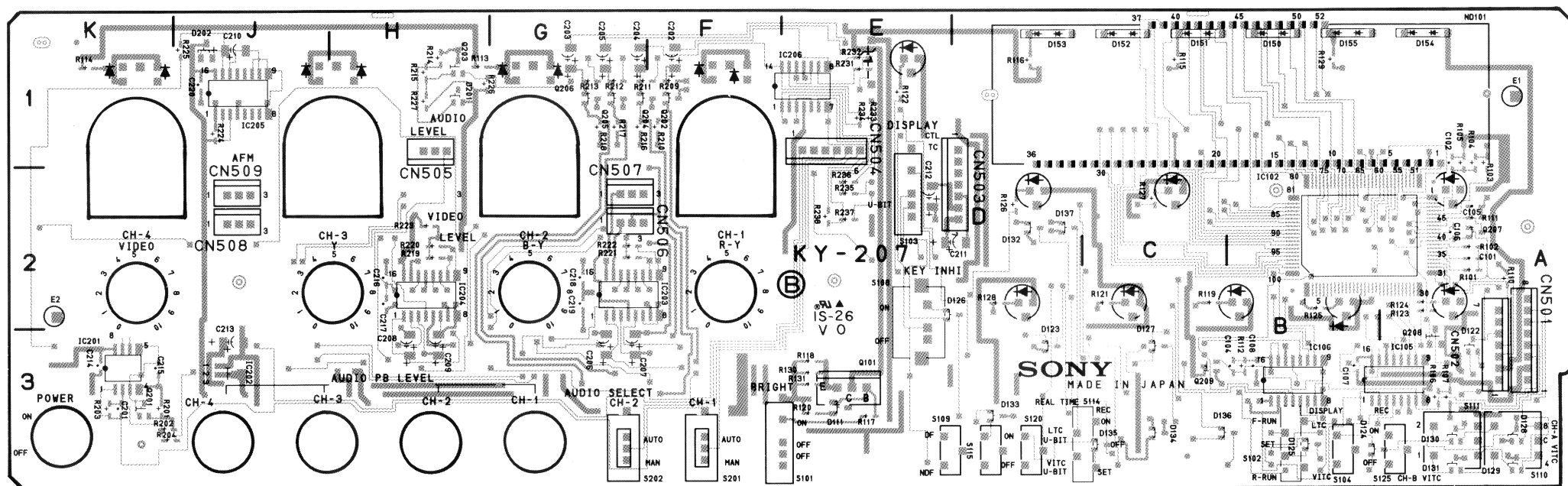


KY-207 —A SIDE—

1-638-686-13,14 (1)

BVW-50

BVW-50P



KY-207 —B SIDE—

1-638-686-13,14 (1)

BVW-50

BVW-50P

KY207 (1-638-686-13)

CN501	A-2	*	S103	E-2
CN502	A-3	*	S104	B-3
CN503	D-2	*	S105	B-3
CN504	E-1	*	S106	A-3
CN505	H-1	*	S107	D-3
CN506	G-2		S108	E-3
CN507	G-2		S109	E-3
CN508	J-2		S110	A-3
CN509	J-2		S111	A-3
			S112	C-3
D101	F-1		S113	B-2
D102	H-1		S114	C-3
D104	F-1		S115	D-3
D105	J-1		S116	B-2
D106	G-1		S117	D-2
D107	K-1		S118	E-3
D109	G-1		S119	C-3
D110	K-1		S120	D-3
D111	E-3	*	S121	A-2
D112	E-1		S122	C-2
D113	B-2		S123	E-1
D114	C-2		S124	B-3
D115	E-1		S125	A-3
D116	A-2		S201	F-3
D117	A-2		S202	F-3
D118	B-2		S203	K-2

* mark; B SIDE mount.

D122	A-3	*
D123	D-3	*
D124	B-3	*
D125	B-3	*
D126	D-2	*
D127	C-3	*
D128	A-3	*
D129	A-3	*
D130	A-3	*
D131	A-3	*
D132	D-2	*
D133	D-3	*
D134	C-3	*
D135	C-3	*
D136	C-3	*
D137	D-2	*
D150	B-1	
D151	C-1	
D152	C-1	
D153	D-1	
D154	A-1	
D155	B-1	
D201	H-1	*
D202	J-1	*

E1	A-1
E2	K-2

IC102	B-2	*
IC105	A-3	*
IC106	B-3	*
IC201	K-3	*
IC202	J-3	*
IC203	F-2	*
IC204	H-2	*
IC205	J-1	*
IC206	E-1	*

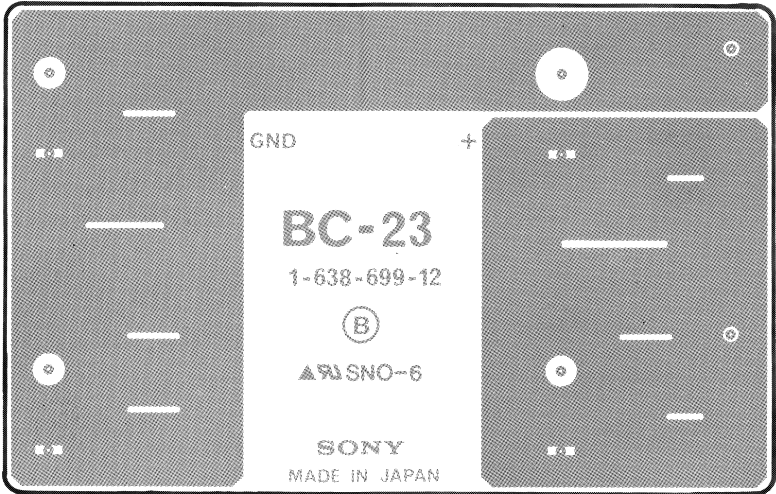
ND101 A-1

Q101	E-3	
Q201	K-3	*
Q202	F-1	*
Q203	H-1	*
Q204	G-1	*
Q205	G-1	*
Q206	G-1	*
Q207	A-2	*
Q208	A-3	*
Q209	C-3	*

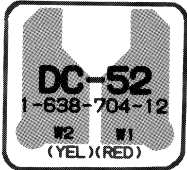
RV201	J-3
RV202	E-3
RV203	F-3
RV204	G-3
RV205	G-3
RV206	H-3
RV207	H-3
RV208	H-3
RV209	J-3
RV210	K-3

S101 E-3
S102 B-3

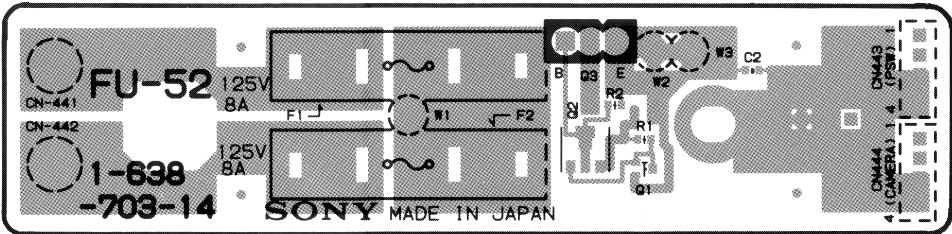
BC-23 ; BATTERY TERMINAL
DC-52 ; EXTERNAL DC IN
FU-52 ; FUSE



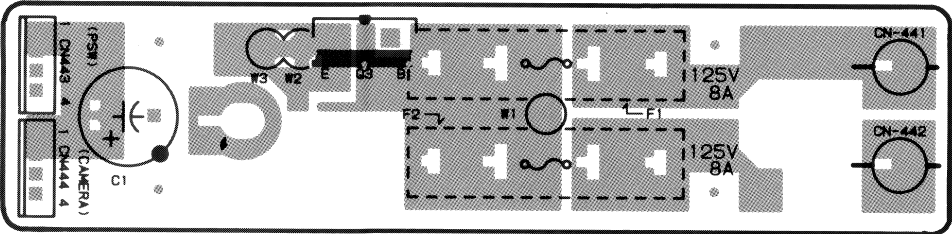
BC-23 —B SIDE—
1-638-699-12 (1)
BVW-50
BVW-50P



DC-52 —A SIDE—
1-638-704-12 (1)
BVW-50
BVW-50P

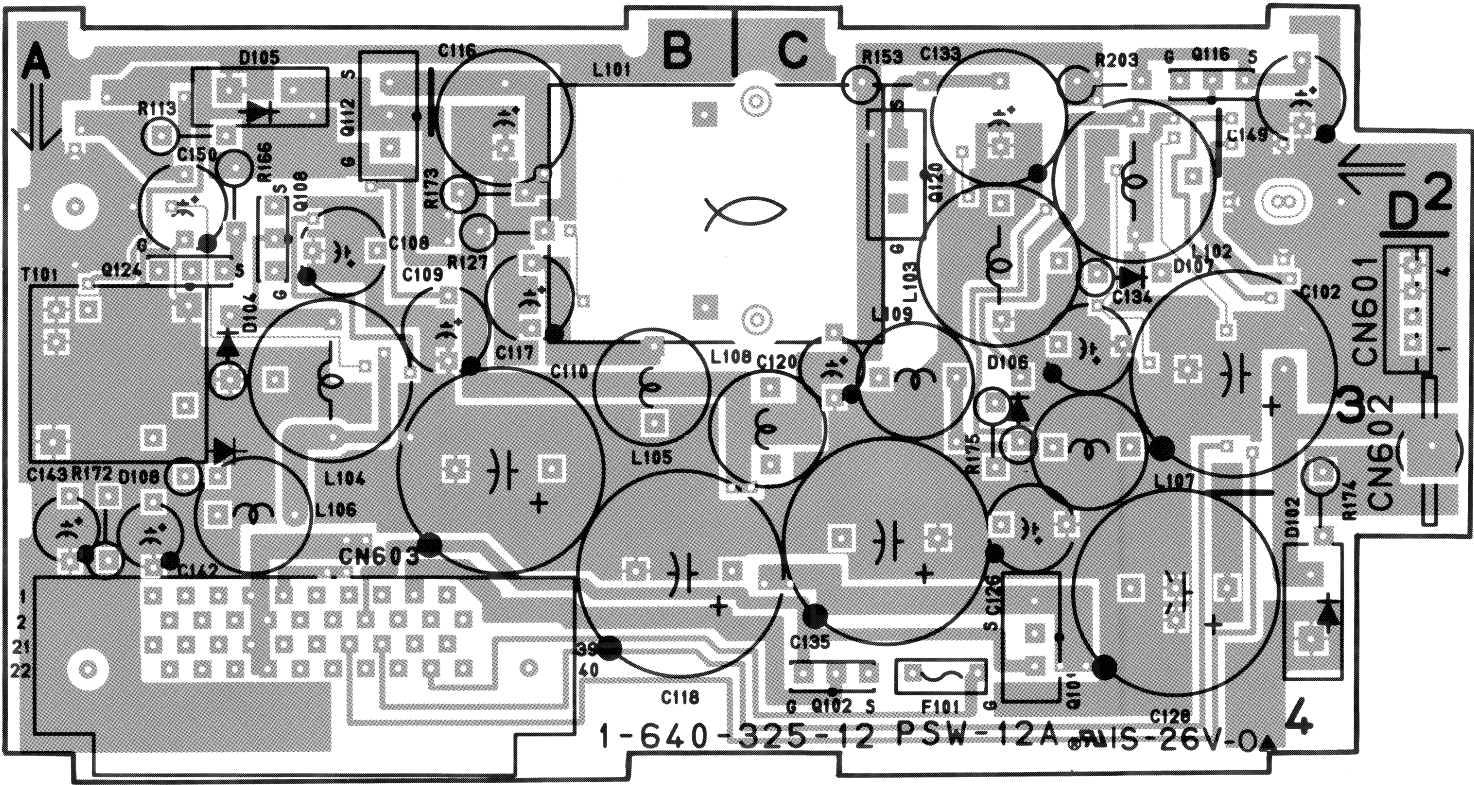


FU-52 —A SIDE—
1-638-703-14 (1)
BVW-50
BVW-50P



FU-52 —B SIDE—
1-638-703-14 (1)
BVW-50
BVW-50P

PSW-12A ; DC-DC Converter

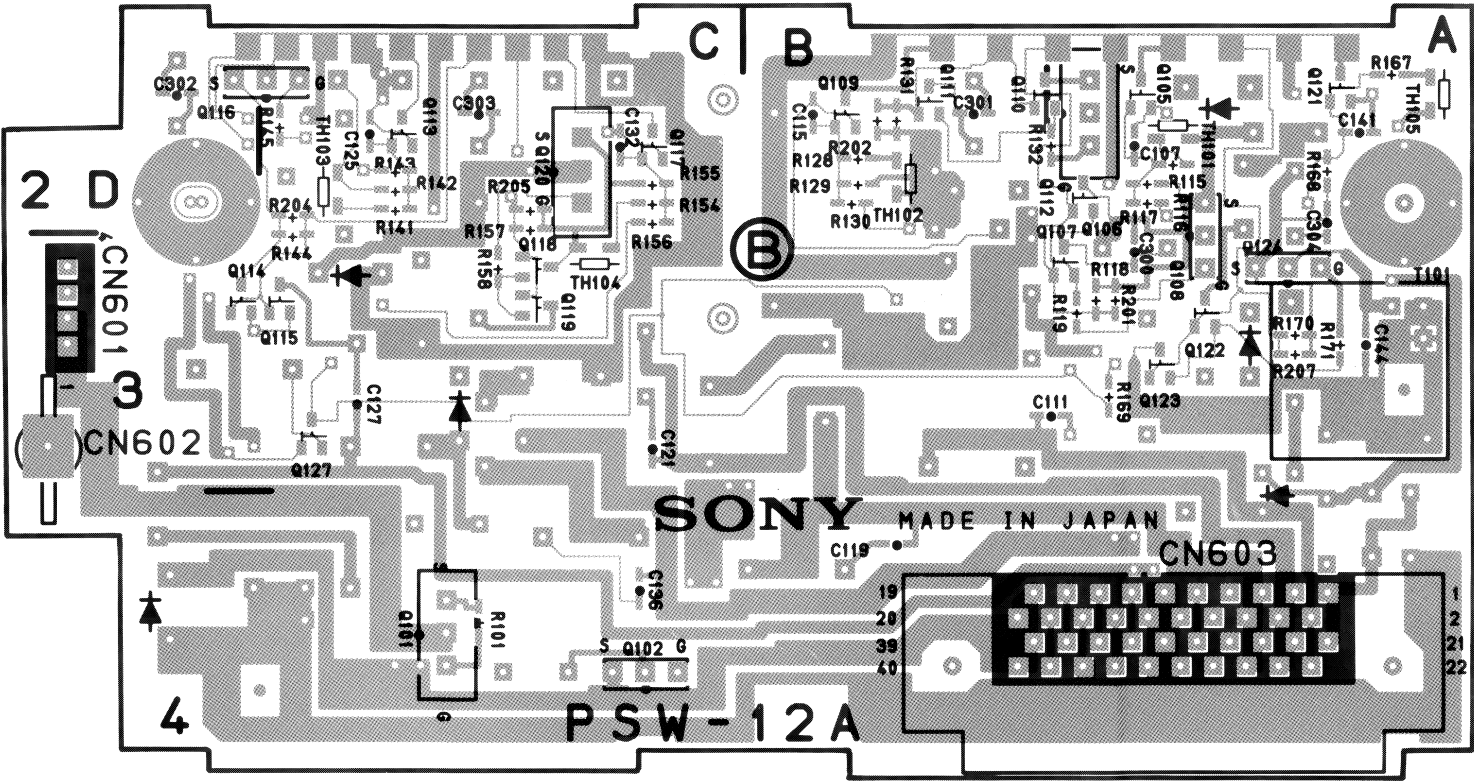


PSW-12A —A SIDE—
1-640-325-12 (1)
BVW-50
BVW-50P

PSW-12A (1-640-325-12)

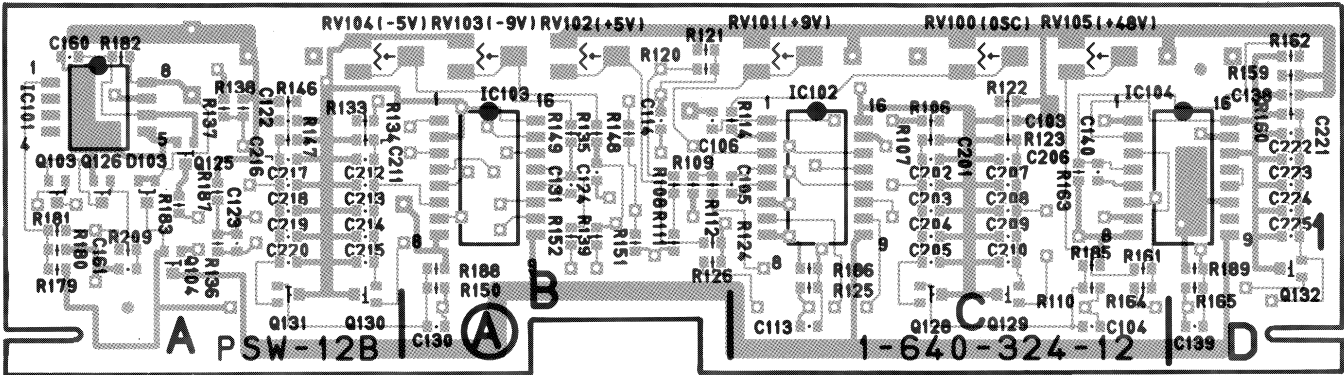
CN601	D-3
CN602	D-3
CN603	A-4
D102	D-4
D104	A-3
D105	A-2
D106	C-3
D107	C-3
D108	A-3
F101	C-4
Q101	C-4
Q102	C-4
Q105	A-2 *
Q106	A-2 *
Q107	A-3 *
Q108	A-2 *
Q109	B-2 *
Q110	B-2 *
Q111	B-2 *
Q112	A-2 *
Q113	C-2 *
Q114	D-3 *
Q115	C-3 *
Q116	C-2 *
Q117	C-2 *
Q118	C-3 *
Q119	C-3 *
Q120	C-2 *
Q121	A-2 *
Q122	A-3 *
Q123	A-3 *
Q124	A-3 *
Q127	C-3 *
TH101	A-2 *
TH102	B-2 *
TH103	C-2 *
TH104	C-3 *
TH105	A-2 *
T101	A-3

* mark; B SIDE mount.



PSW-12A —B SIDE—
1-640-325-12 (1)
BVW-50
BVW-50P

PSW-12B ; DC-DC CONVERTER
CON-18 ; TC IN/OUT CONNECTOR
SR-50 ; SLIP-RING

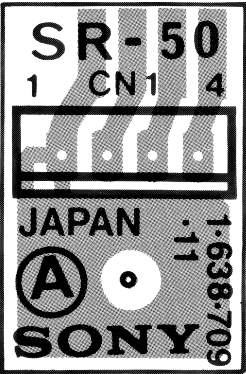


PSW-12B —A SIDE—
1-640-324-12 (1)
BVW-50
BVW-50P

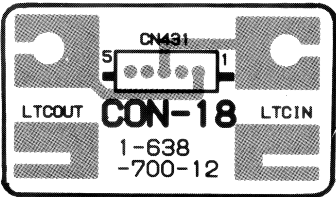
PSW-12B (1-640-324-12)

D103	A-1
IC101	A-1
IC102	C-1
IC103	B-1
IC104	C-1
Q103	A-1
Q104	A-1
Q125	A-1
Q126	A-1
Q128	C-1
Q129	C-1
Q130	A-1
Q131	A-1
Q132	D-1
RV100	C-1
RV101	C-1
RV102	B-1
RV103	B-1
RV104	A-1
RV105	C-1

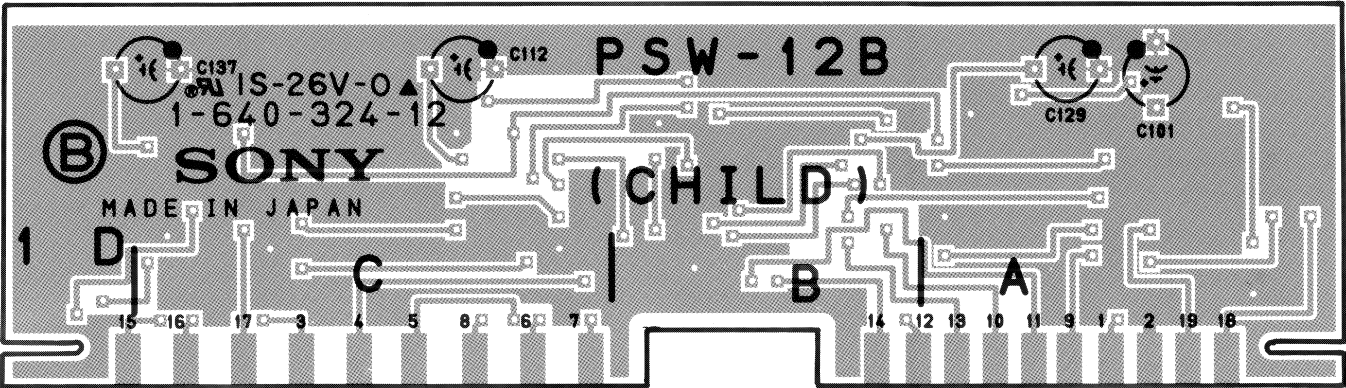
* mark; B SIDE mount.



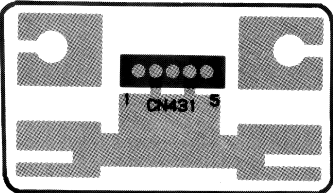
SR-50 —A SIDE—
1-638-709-11 (1)
BVW-50



CON-18 —A SIDE—
1-638-700-12 (1)
BVW-50
BVW-50P



PSW-12B —B SIDE—
1-640-324-12 (1)
BVW-50
BVW-50P



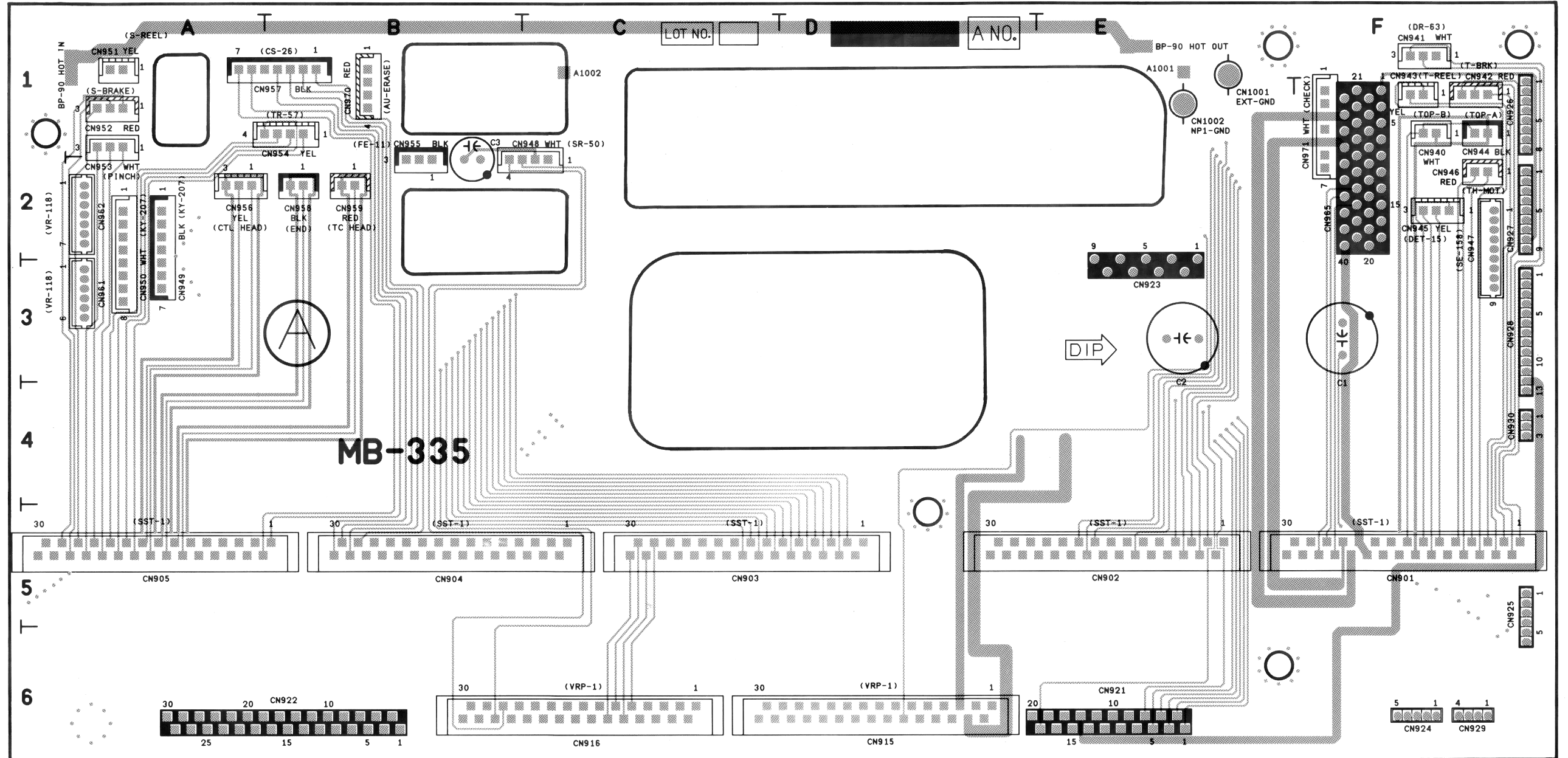
CON-18 —B SIDE—
1-638-700-12 (1)
BVW-50
BVW-50P

MB-335 ; MOTHER BOARD

MB-335 (1-638-687-13)

CN901	F-5
CN902	E-5
CN903	C-5
CN904	B-5
CN905	A-5
CN915	D-6
CN916	C-6
CN921	E-6 *
CN922	B-6 *
CN923	E-2 *
CN924	F-6 *
CN925	F-5 *
CN926	F-1 *
CN927	F-2 *
CN928	F-3 *
CN929	F-6 *
CN930	F-4 *
CN940	F-1
CN941	F-1
CN942	F-1
CN943	F-1
CN944	F-1
CN945	F-2
CN946	F-2
CN947	F-2
CN948	C-1
CN949	A-3
CN950	A-3
CN951	A-1
CN952	A-1
CN953	A-2
CN954	B-1
CN955	B-1
CN956	A-2
CN957	B-1
CN958	B-2
CN959	B-2
CN961	A-3
CN962	A-2
CN965	F-3 *
CN970	B-1
CN971	F-1
CN1001	E-1
CN1002	E-1

* mark; B SIDE mount.



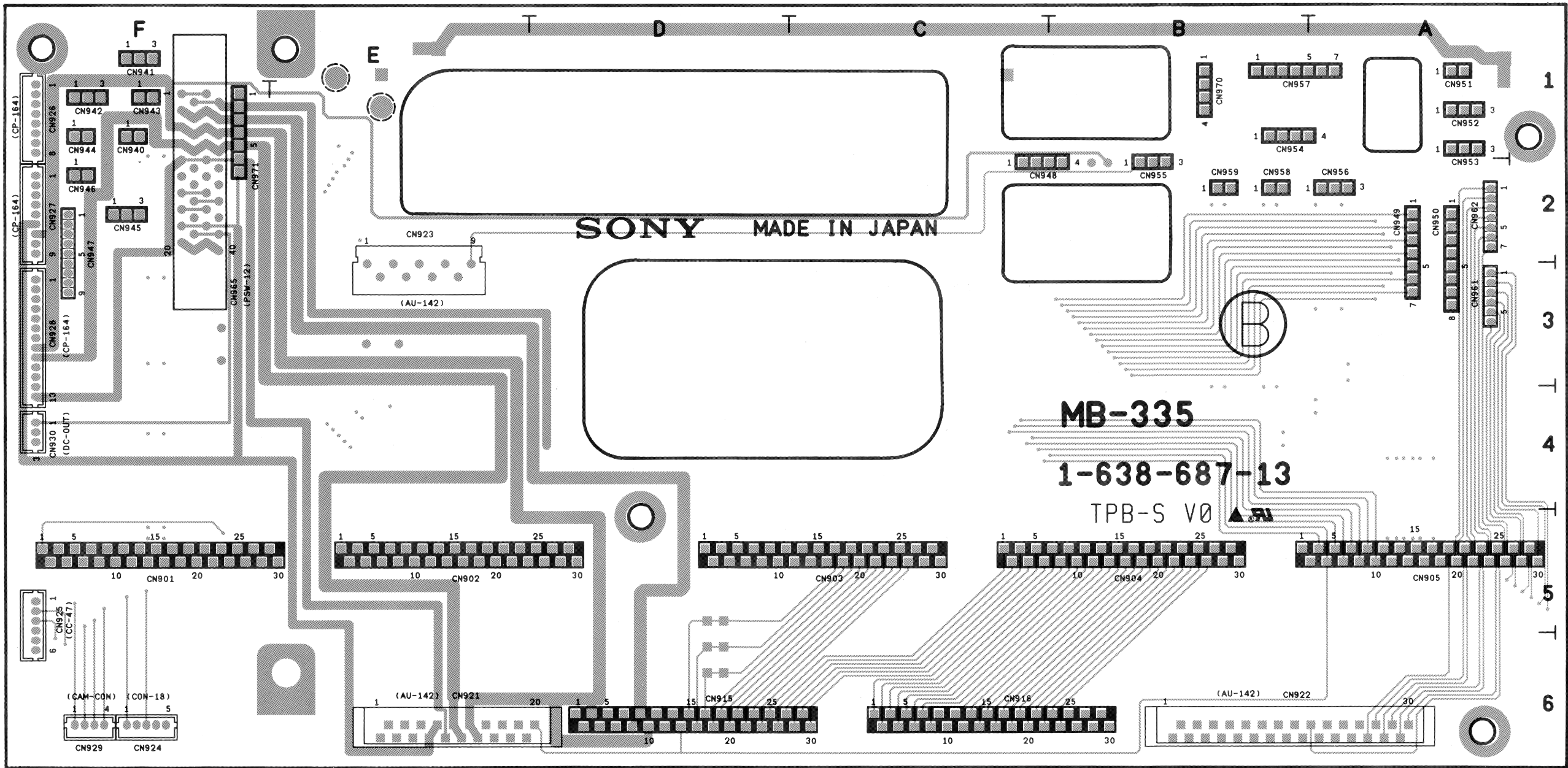
MB-335 —A SIDE—

1-638-687-13 (1)

BVW-50

BVW-50P

MB-335 ; MOTHER BOARD



MB-335 (1-638-687-13)

CN901	F-5
CN902	E-5
CN903	C-5
CN904	B-5
CN905	A-5
CN915	D-6
CN916	C-6
CN921	E-6 *
CN922	B-6 *
CN923	E-2 *
CN924	F-6 *
CN925	F-5 *
CN926	F-1 *
CN927	F-2 *
CN928	F-3 *
CN929	F-6 *
CN930	F-4 *
CN940	F-1
CN941	F-1
CN942	F-1
CN943	F-1
CN944	F-1
CN945	F-2
CN946	F-2
CN947	F-2
CN948	C-1
CN949	A-3
CN950	A-3
CN951	A-1
CN952	A-1
CN953	A-2
CN954	B-1
CN955	B-1
CN956	A-2
CN957	B-1
CN958	B-2
CN959	B-2
CN961	A-3
CN962	A-2
CN965	F-3 *
CN970	B-1
CN971	F-1
CN1001	E-1
CN1002	E-1

* mark; B SIDE mount.


MB-335 —B SIDE—
1-638-687-13 (1)
BVW-50
BVW-50P

Section 13

Spare Part and Fixture

13-1. NOTES ON REPAIR PARTS

(1) Safety Related Components Warning

Components marked with  on the schematic diagrams, exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose part numbers appear in this manual or in service bulletin and service manual supplements published by Sony.

(2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

(3) Change of Parts

Regarding engineering parts changes, refer to "Section 14. CHANGED PART".

(4) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

(5) Units for Capacitors, Inductors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors : μF

Inductors : μH

Resistors : Ω

(6) Tension Spring


($\times \times \text{T}$) after a tension spring is shown on the parts list in order to indicate the number of spring turns required for the use.

(Example) TENSION, SPRING (20T):

This spring must be cut at its 20th turn for actual use.

補修用部品注意事項

(1) 安全重要部品

回路図、分解図、電気部品表中、印の部品は安全性を維持するために重要な部品です。従ってこれらの部品を交換するときには必ず指定の部品と交換して下さい。

(2) 部品の共通化

ソニーから供給される部品は、セットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。

分解図や電気部品表には現時点での共通化された部品が記載されています。

(3) 部品の変更

部品の変更に関する情報は「第14章 CHANGED PART」を参照して下さい。

(4) 部品の在庫

部品表の SP (Supply code) 欄に o で示される部品は交換頻度が低い部品ですので在庫していないことがあり、納期が長くなることがあります。

(5) コンデンサー、インダクター、抵抗の単位

回路図、分解図、電気部品表中、特に明記したものを除き、下記の単位は省略されています。

コンデンサー : μF

インダクター : μH

抵抗 : Ω

(6) 引張コイルバネ

部品表中の引張コイルバネの名称のあとの ($\times \times \text{T}$) は、使用時の巻数を示しています。

(例) TENSION, SPRING (20T)

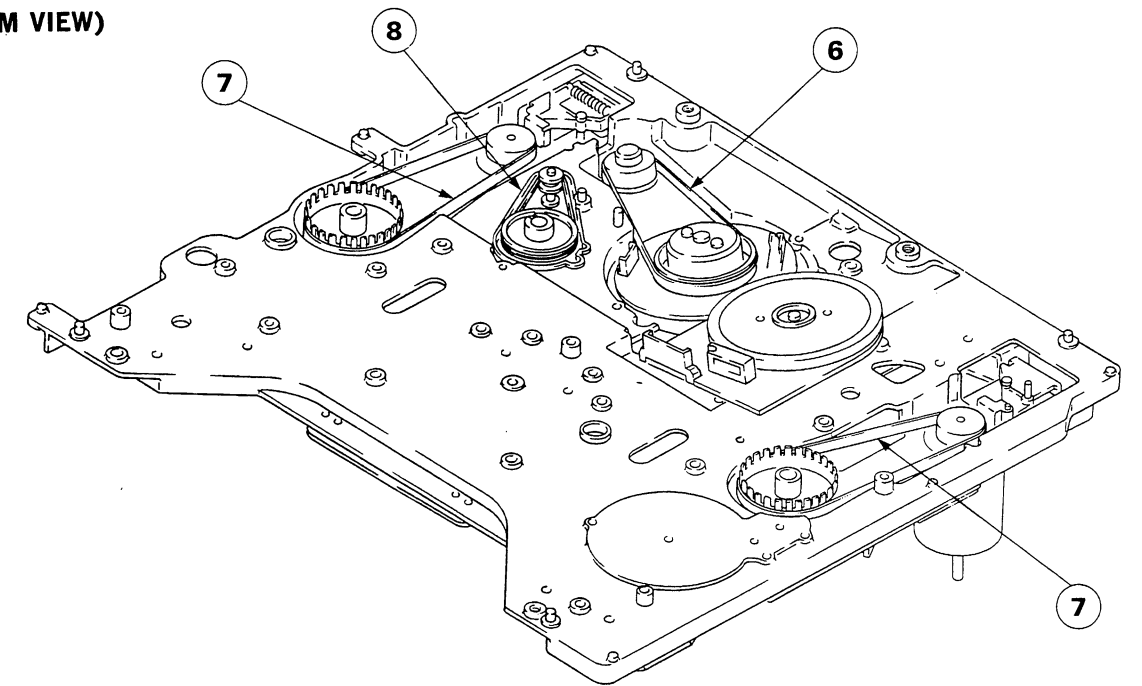
巻数が20になるように切断し、使用する。

13-2. EXPLODED VIEW

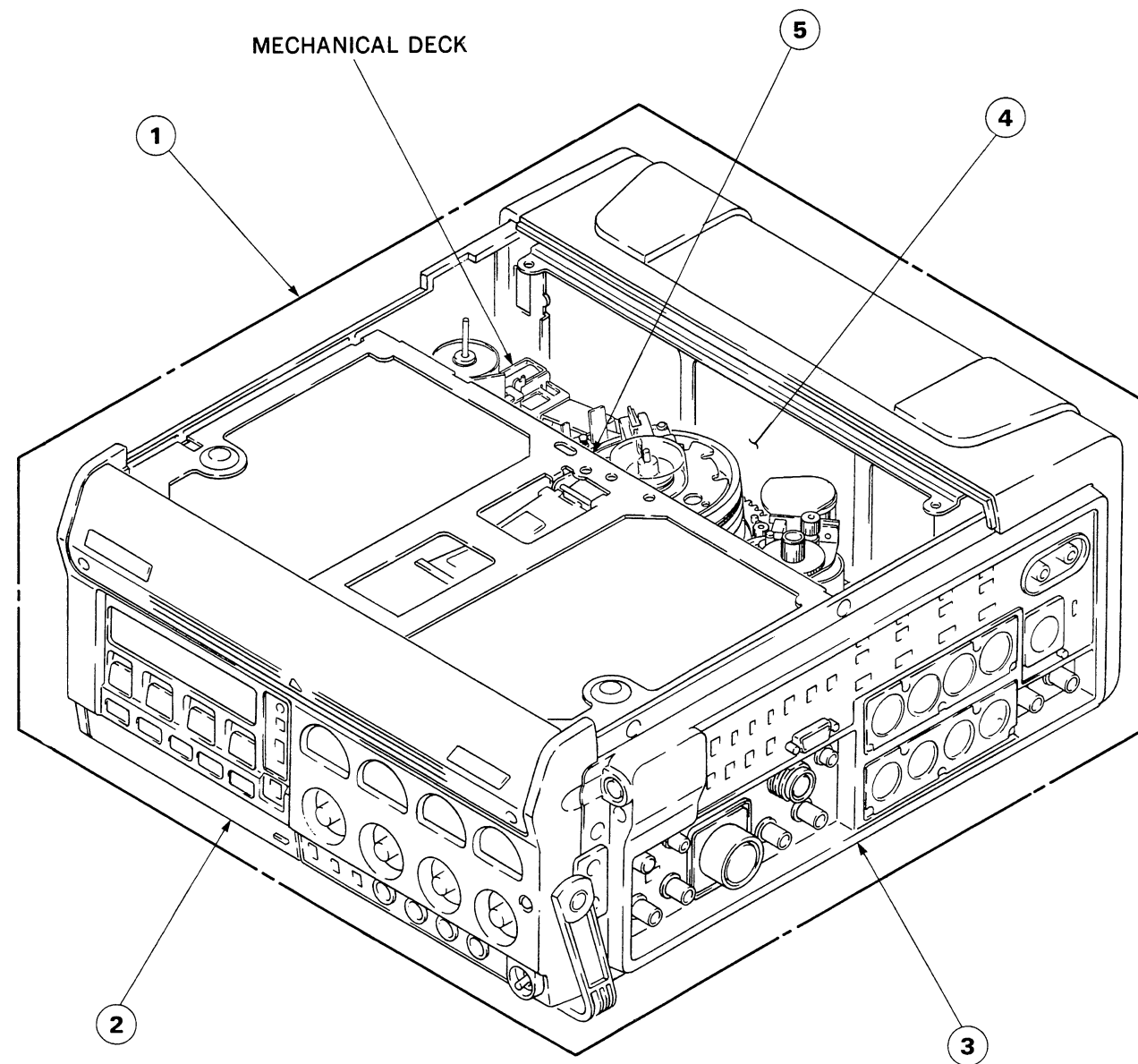
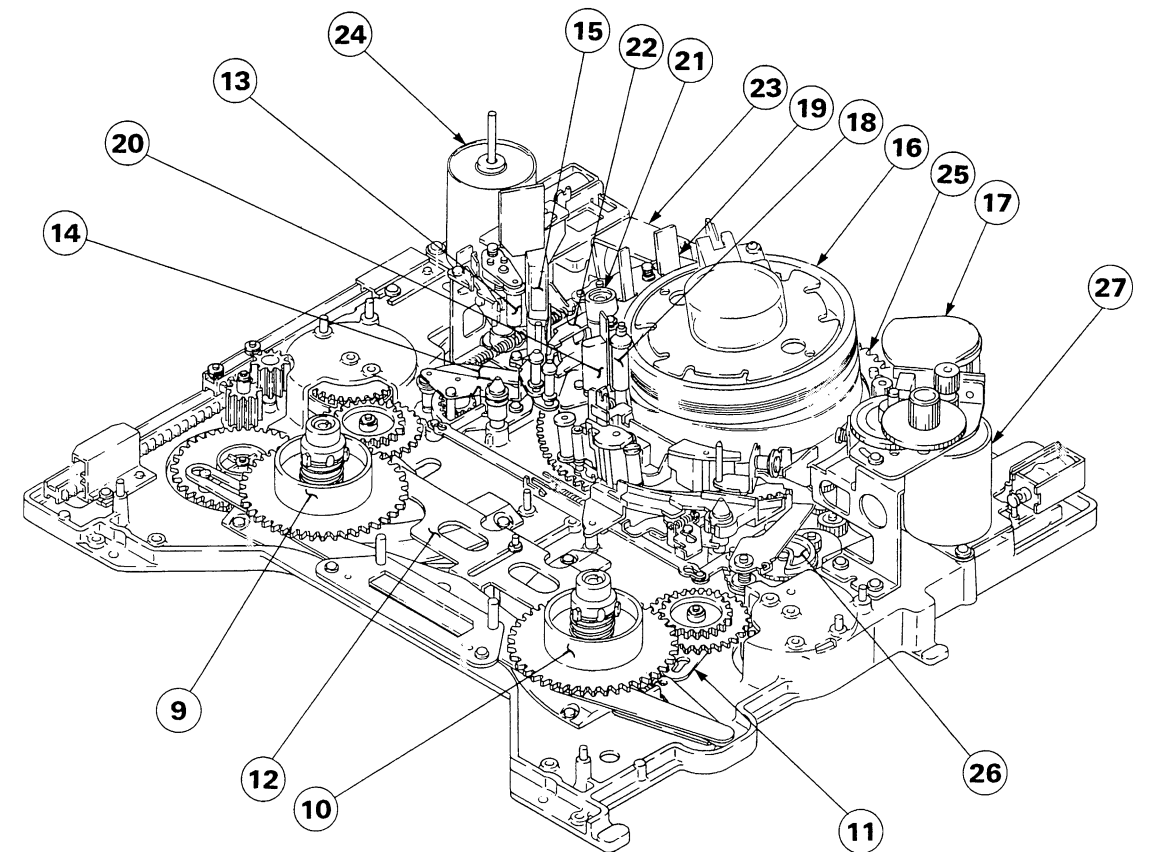
Index of Main Mechanical Parts/Components

Mark	Item	Title	Page
①	Upper Panel Bottom Panel Cabinet (left) Cabinet (rear) Handle Front Cover	ORNAMENTAL PANEL BLOCK	13-4
②	Front Panel	FRONT PANEL BLOCK	13-6
③	Connector Panel	CONNECTOR PANEL BLOCK	13-8
④	Printed Circuit Boards Front Chassis Rear Chassis Power Block	CHASSIS AND PRINTED CIRCUIT BOARD BLOCK	13-10
⑤	Cassette Compartment	CASSETTE COMPARTMENT BLOCK	13-12
⑥ ⑦ ⑧	Drum Belt Reel Belt Threading Belt	BELT BLOCK	13-14
⑨ ⑩ ⑪ ⑫	S Reel Table T Reel Table Reel Arm Slide Link	REEL TABLE BLOCK	13-16
⑬ ⑭ ⑮	Tension Regulator S' Drawer Arm Full Erase Head	TENSION REGULATOR AND FULL ERASE HEAD BLOCK	13-18
⑯ ⑰ ⑱	Head Drum Drum Motor Entrance Guide Exit Guide	HEAD DRUM AND TAPE GUIDE BLOCK	13-20
⑲ ⑳ ㉑	ATAC Head CTL Head Capstan Motor	STATIONARY HEAD AND CAPSTAN BLOCK	13-22
㉒ ㉓ ㉔	Pinch Press Lever Pinch Solenoid S Reel Motor	PINCH PRESS AND S REEL MOTOR BLOCK	13-24
㉕	Threading Ring Ring Stopper	THREADING RING BLOCK	13-26
㉖ ㉗	Gear Block T Reel Motor	GEAR AND T REEL MOTOR BLOCK	13-28

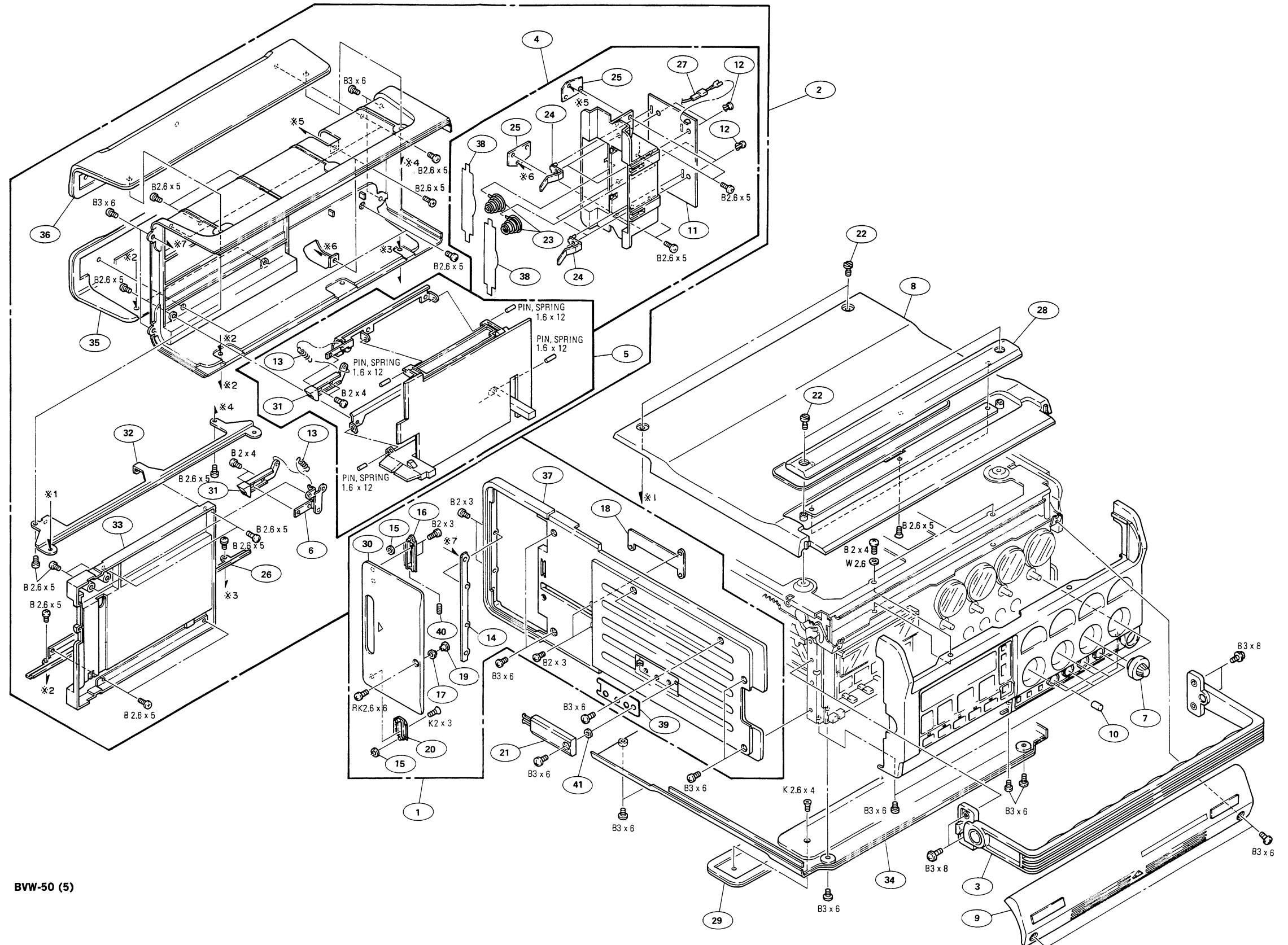
**MECHANICAL DECK
(BOTTOM VIEW)**



**MECHANICAL DECK
(TOP VIEW)**



Ornamental Panel Block



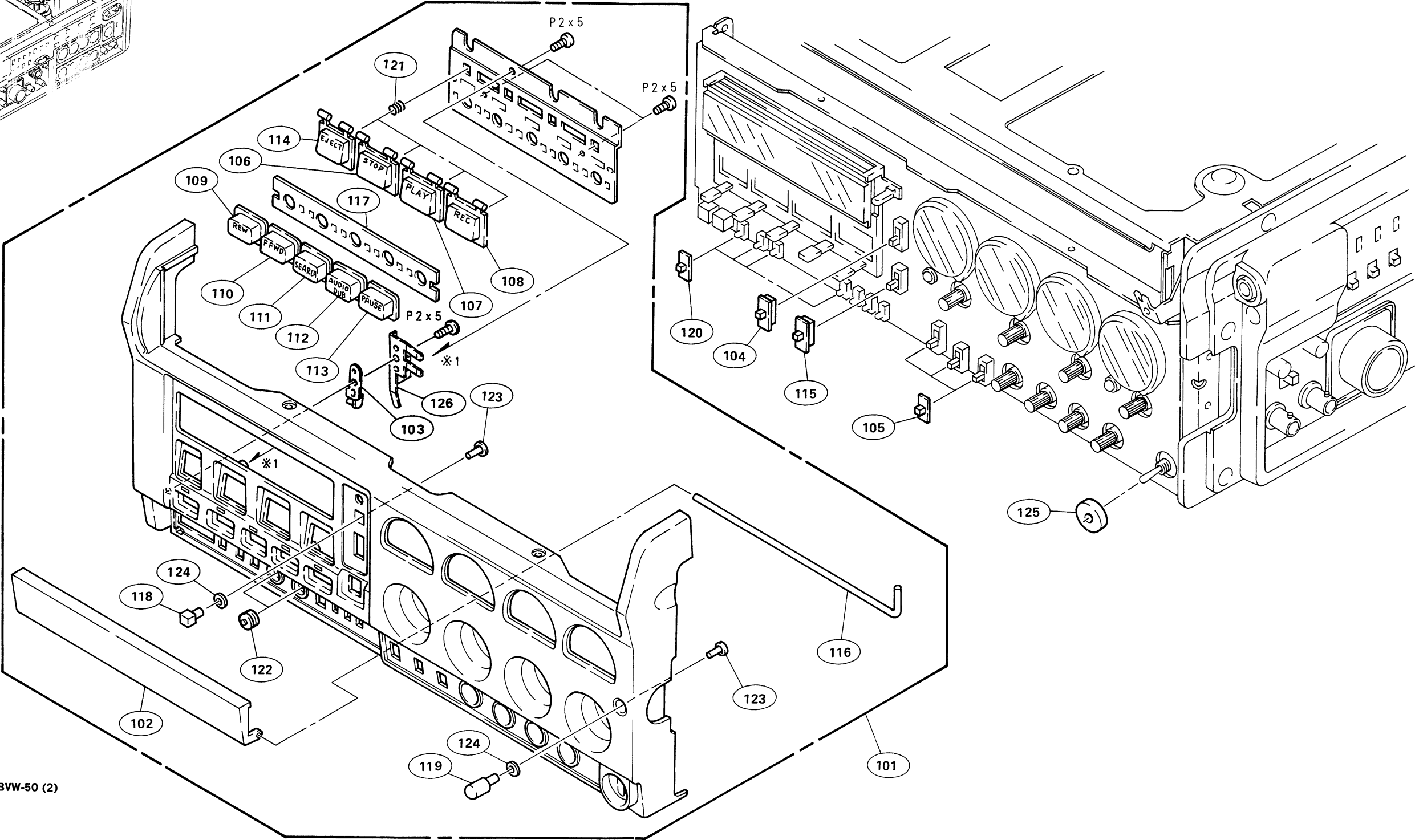
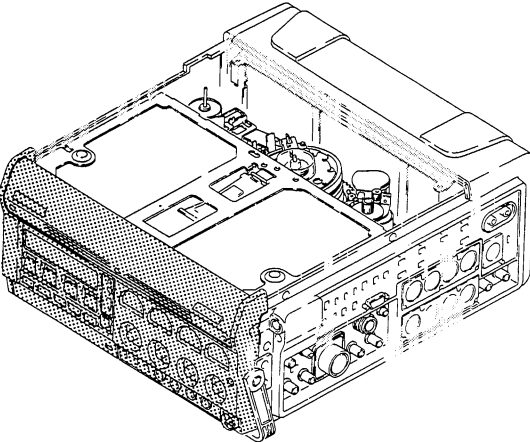
BVW-50

No.	Part No.	SP Description
1	A-6703-697-D	o CABINET (LEFT) ASSY
2	A-6703-698-F	o CABINET (REAR) ASSY
3	A-6703-699-A	o HANDLE ASSY
4	A-6738-459-A	o CASE ASSY, CONTACT
5	A-6738-460-A	s HOLDER ASSY, NP
6	X-3165-736-3	o PLATE ASSY, ARM, LOCK
7	X-3165-762-2	s KNOB ASSY, REC-VR
8	X-3165-774-7	o PANEL SUB ASSY, UPPER
9	X-3165-776-4	o COVER ASSY, FRONT (for J,UC)
	X-3165-871-3	o COVER ASSY, FRONT (for EK)
10	X-3664-208-0	s KNOB ASSY, FADE
11	1-638-699-12	o PRINTED CIRCUIT BOARD, BC-23
12	2-279-715-01	s RIVET, NYLON
13	3-508-108-XX	s SPRING, TENSION (17T)
14	3-169-331-01	o BRACKET, CABINET (REAR)
15	3-169-346-01	s ROLLER (A)
16	3-169-347-05	o HOLDER (B), ROLLER
17	3-169-348-02	s ROLLER (B)
18	3-169-349-01	o COVER, ROLLER
19	3-169-350-02	s SHAFT, BT ROLLER
20	3-169-351-05	o HOLDER (A), ROLLER
21	3-169-406-02	o COVER, L SUB
22	3-169-407-02	s SCREW, LID
23	3-169-424-01	s SPRING, COMPRESSION
24	3-169-425-02	s CONTACT
25	3-169-436-02	o BRACKET, CONTACT
26	3-169-437-04	o BRACKET (B), BT
27	3-169-455-01	s SLEEVE, INSULATING
28	3-169-517-01	o CUSHION (UPPER), ER
29	3-169-524-01	o CUSHION (LOWER), ER
30	3-169-530-06	o LID, BT
31	3-169-542-05	s ARM, LOCK
32	3-169-543-01	o BRACKET (A), BT
33	3-169-554-06	o CASE, BATTERY
34	X-3166-346-3	o PLATE SUB ASSY, BOTTOM
35	3-169-569-01	o CUSHION (B)
36	3-169-570-01	o CUSHION (A)
37	3-169-571-05	o PLATE, SIDE, LEFT
38	3-170-480-02	o COVER, SPRING
39	3-171-126-01	o PLATE (L), ORNAMENTAL
40	3-644-718-00	s SPRING, COMPRESSION
41	3-669-596-01	s WASHER (2.3), STOPPER

Front Panel Block

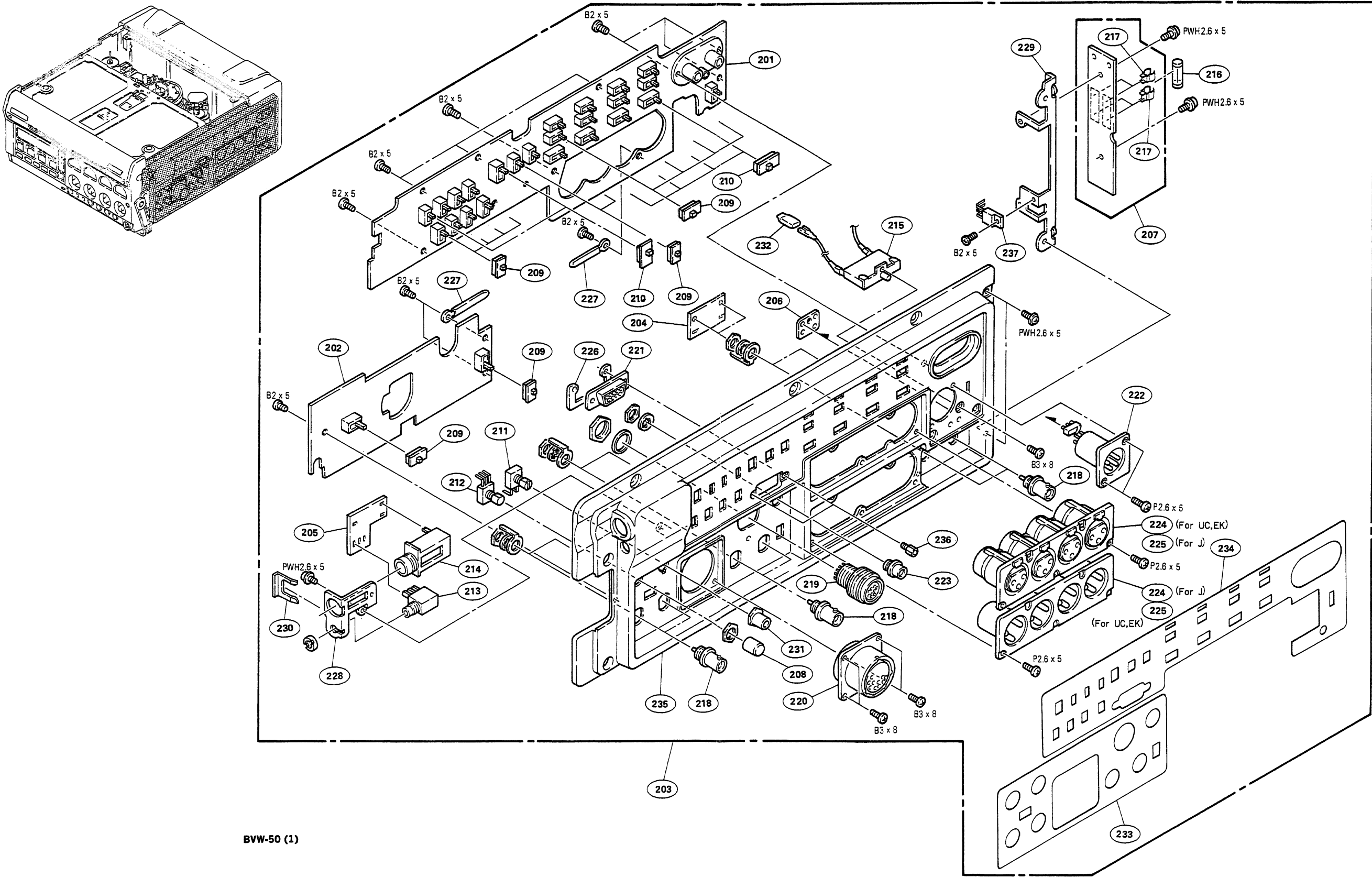
No.	Part No.	SP Description
101	A-6704-513-D	o PANEL ASSY, FRONT (for J,UC)
	A-6704-539-D	o PANEL (P) ASSY, FRONT (for EK)
102	X-3165-754-2	o COVER ASSY, TC
103	X-3165-755-1	o RETAINER ASSY, TOGGLE
104	X-3165-862-1	s KNOB ASSY (3P)
105	X-3165-863-1	s KNOB ASSY (2P)
106	X-3166-129-1	o BUTTON ASSY "STOP"
107	X-3166-130-1	o BUTTON ASSY "PLAY"
108	X-3166-131-1	o BUTTON ASSY "REC"
109	X-3166-132-1	o BUTTON ASSY "REW"
110	X-3166-133-1	o BUTTON ASSY "F FWD"
111	X-3166-134-1	o BUTTON ASSY "SEARCH"
112	X-3166-135-1	o BUTTON ASSY "AUDIO DUB"
113	X-3166-136-1	o BUTTON ASSY "PAUSE"
114	X-3166-137-1	o BUTTON ASSY "EJECT"
115	X-3719-113-1	s KNOB ASSY
116	3-169-388-01	o SHAFT, TC COVER
117	3-169-389-01	o CUSHION, KEY
118	3-169-390-01	s BUTTON, RESET
119	3-169-391-01	s BUTTON, P-V
120	3-170-161-01	s KNOB, SW
121	3-571-850-00	s SPRING, COMPRESSION
122	3-676-244-11	s COVER, SW
123	3-686-085-01	s PIN, PUSH BUTTON
124	3-686-086-01	s CUSHION, BUTTON
125	3-729-007-01	o PLATE, ORNAMENTAL, TOGGLE SW
126	3-173-283-02	o PLATE, GROUND, FP

Front Panel Block



BVW-50 (2)

Connector Panel Block



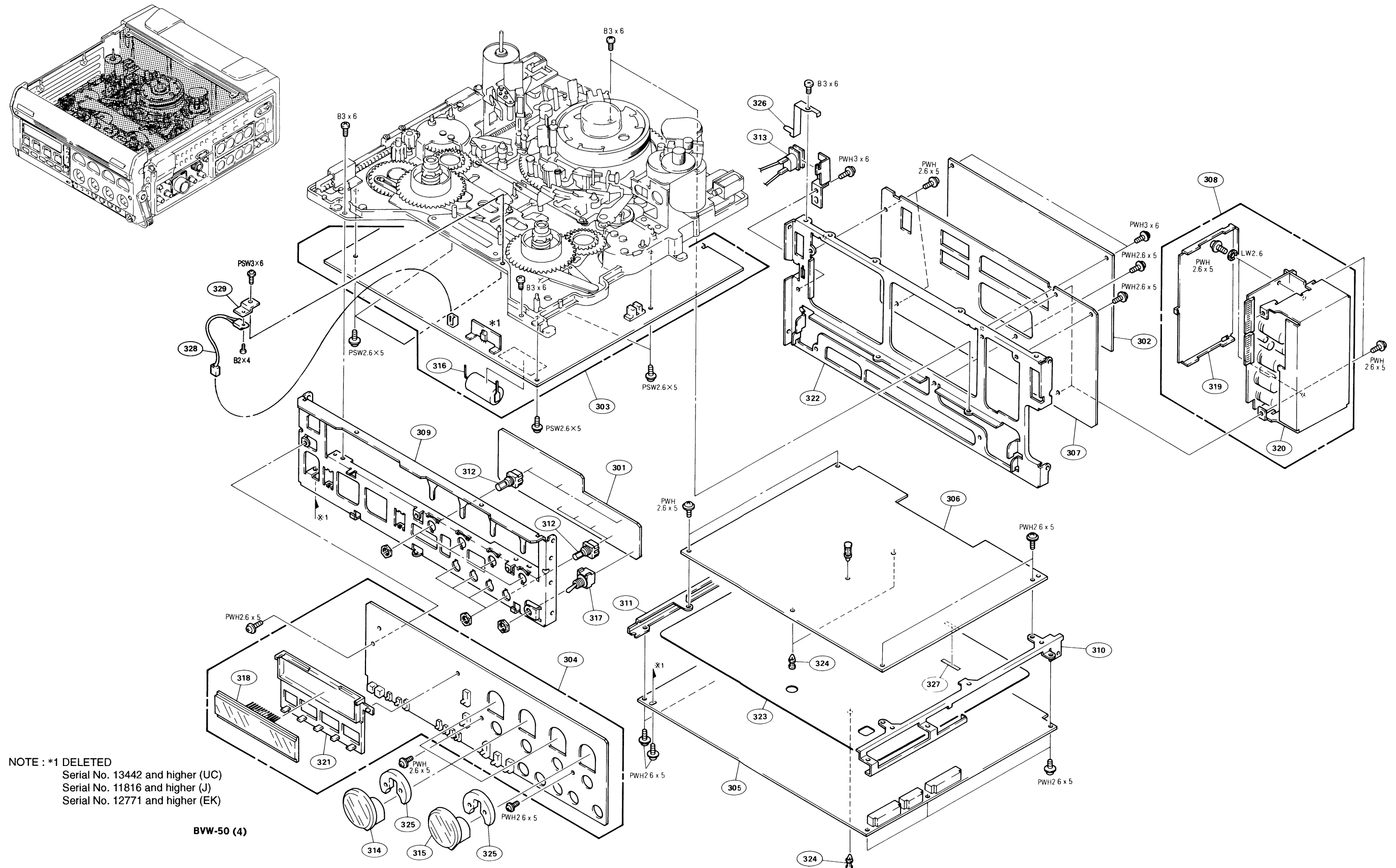
BVW-50 (1)

No.	Part No.	SP Description
201	A-6713-423-A	o MOUNTED CIRCUIT BOARD, CP-164 (for UC,EK)
	A-6713-424-A	o MOUNTED CIRCUIT BOARD, CP-164J (for J)
202	A-6727-319-A	o MOUNTED CIRCUIT BOARD, CC-47
203	A-6732-398-C	o PANEL ASSY, CONNECTOR (for UC,EK)
	A-6732-397-D	o PANEL ASSY, CONNECTOR (for J)
204	A-6754-268-A	o MOUNTED CIRCUIT BOARD, CON-18
205	A-6754-269-A	o MOUNTED CIRCUIT BOARD, DUS-339
206	A-6754-270-A	o MOUNTED CIRCUIT BOARD, DC-52
207	A-6754-271-B	o MOUNTED CIRCUIT BOARD, FU-52
208	X-3682-814-0	s KNOB ASSY, CONTROL
209	X-3166-331-1	s KNOB ASSY (2 POST)
210	X-3166-332-1	s KNOB ASSY (3 POST)
211	1-241-521-11	s RES, VAR CARBON 5K
212	1-241-522-11	s RES, VAR CARBON 10K
213	1-507-743-21	s JACK, MINI STEREO
214	1-507-863-51	s JACK, PHONE STEREO
215	△ 1-532-525-31	s BREAKER, CIRCUIT 6.3A 125V
216	△ 1-532-749-11	s FUSE, 8A 125V
217	1-533-189-11	o HOLDER, FUSE
218	1-561-336-00	s CONNECTOR, COAXIAL
219	1-562-160-00	s CONNECTOR 12P, FEMALE
220	1-562-245-11	o CONNECTOR 26P, FEMALE
221	1-563-890-21	s CONNECTOR, D-SUB 9P, FEMALE
222	1-564-603-11	s CONNECTOR, XLR 4P WITH SW, MALE
223	1-565-072-11	s CONNECTOR, ROUND TYPE 4P, FEMALE
224	1-566-616-11	s CONNECTOR, 4-XLR 3P, FEMALE
225	1-566-617-11	s CONNECTOR, 4-XLR 3P, MALE
226	2-139-018-01	s NUT (D SUB 9P), PLATE
227	2-277-426-01	o CLAMP
228	3-169-382-02	o BRACKET, HEADPHONE
229	3-169-383-01	o BRACKET, PANEL
230	3-169-384-01	o PLATE, SNAP
231	3-169-385-01	o GUARD, VR
232	3-169-455-01	s SLEEVE, INSULATING
233	3-169-525-01	o LABEL (2), CONNECTOR PANEL
234	3-169-563-03	o LABEL (1), CONNECTOR PANEL (for UC EK)
	3-171-212-02	o LABEL (1), CONNECTOR PANEL (for J)
235	3-169-564-04	o PANEL, CONNECTOR
236	3-668-459-00	s SCREW, CONNECTOR
237	8-729-140-18	s TRANSISTOR 2SC3694-K

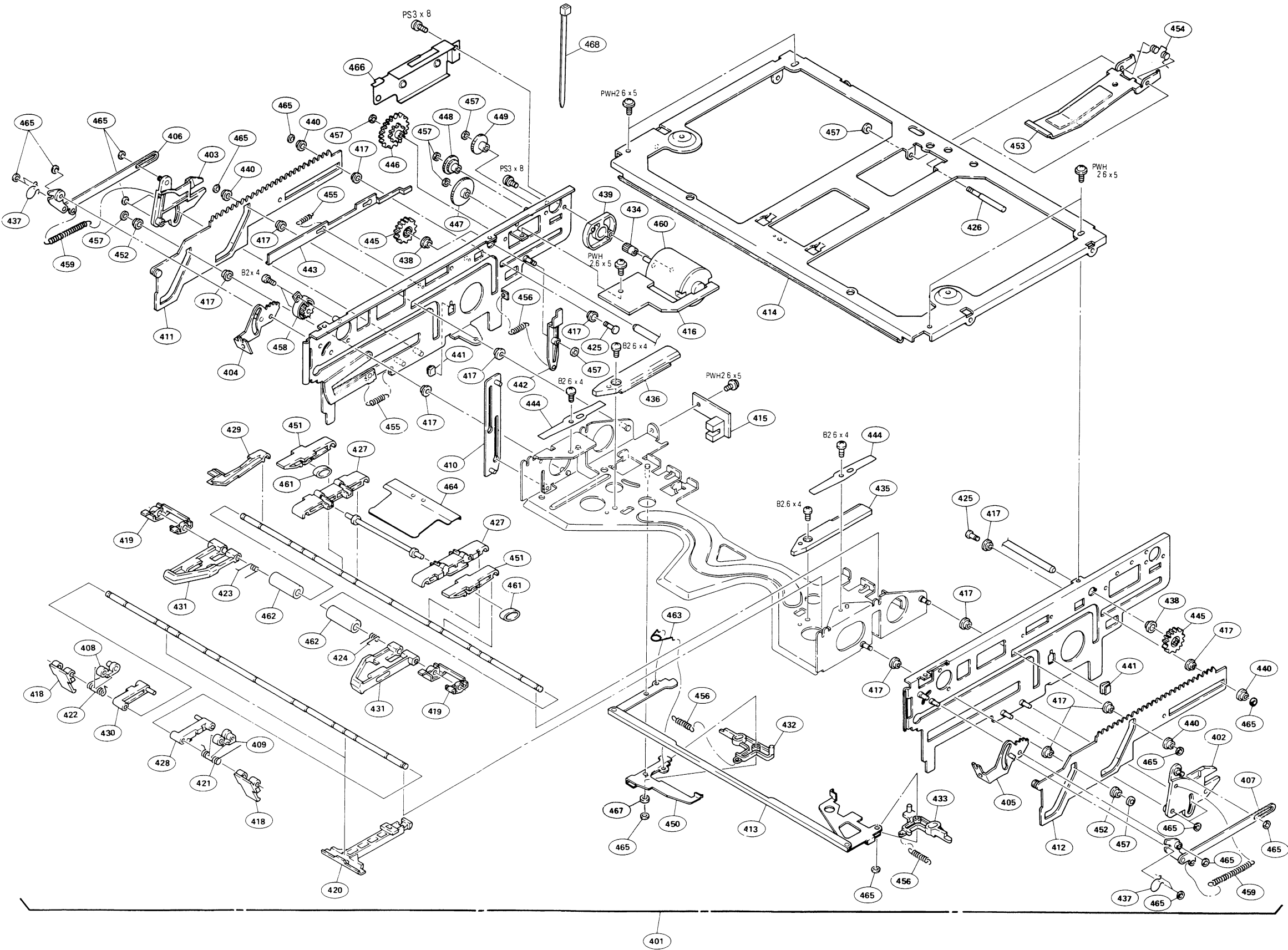
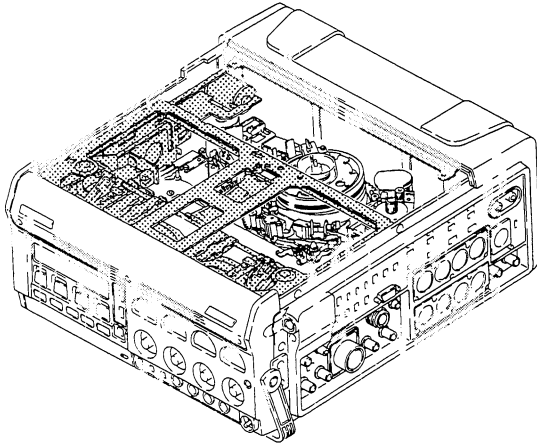
Chassis and Printed Circuit Board Block

No.	Part No.	SP Description
301	A-6713-422-A	o MOUNTED CIRCUIT BOARD, VR-118
302	A-6713-425-A	o MOUNTED CIRCUIT BOARD, AU-142 (for J,UC)
	A-6713-435-A	o MOUNTED CIRCUIT BOARD, AU-142P (for EK)
303	A-6715-451-B	o MOUNTED CIRCUIT BOARD, SST-1 (for J,UC)
	A-6715-452-B	o MOUNTED CIRCUIT BOARD, SST-1P (for EK)
304	A-6717-611-A	o MOUNTED CIRCUIT BOARD, KY-207
305	A-6727-320-A	o MOUNTED CIRCUIT BOARD, VRP-1 (for J,UC)
	A-6727-336-A	o MOUNTED CIRCUIT BOARD, VRP-1P (for EK)
306	A-6727-321-A	o MOUNTED CIRCUIT BOARD, TBC-19 (for J,UQ)
	A-6727-337-A	o MOUNTED CIRCUIT BOARD, TBC-19P (for EK)
307	A-6755-107-A	o MOUNTED CIRCUIT BOARD, MB-335
308	A-6771-385-A	s POWER ASSY (for UC,EK)
	A-6771-386-A	s POWER ASSY (for J)
309	X-3165-766-1	o CHASSIS ASSY, FRONT
310	X-3166-830-1	o HOLDER (R) ASSY, PC BOARD
311	X-3165-769-1	o HOLDER (L) ASSY, PC BOARD
312	1-241-522-11	s RES, VAR CARBON 10K
313	1-507-905-11	s JACK, DC POWER
314	1-520-495-11	s METER, LEVEL
315	1-520-495-41	s METER, LEVEL
316	1-528-291-11	o BATTERY, LITHIUM
317	1-554-355-00	s SWITCH, TOGGLE
318	1-809-345-11	s UNIT, LCD
319	3-169-416-01	o CASE (B), PSW
320	3-169-541-01	o CASE (A), PSW
321	3-169-546-02	o HOLDER, LCD
322	3-169-567-01	o CHASSIS, REAR
323	3-171-103-03	o PLATE, SHIELD, VIDEO
324	3-682-057-11	s SPACER (SMALL)
325	3-719-133-01	o CUSHION, METER
326	3-177-802-01	o LUG, GROUND
327	3-178-096-01	o SHEET, PROTECTION
328	1-810-715-11	s SENSOR, DEW CONDENSATION Serial No.13442 and higher(UC) Serial No.11816 and higher(J) Serial No.12771 and higher(EK)
329	3-200-506-01	s BRACKET, DEW SENSOR Serial No.13442 and higher(UC) Serial No.11816 and higher(J) Serial No.12771 and higher(EK)

Chassis and Printed Circuit Board Block



Cassette Compartment Block



BVW-50 (4)

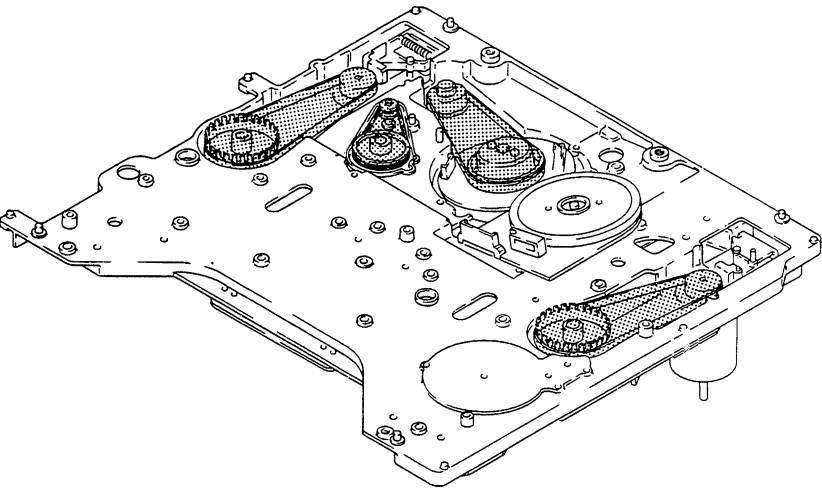
Cassette Compartment Block

No.	Part No.	SP Description	No.	Part No.	SP Description
401	A-6751-457-E	s CASSETTE COMPARTMENT ASSY	451	3-169-499-03	o LEVER, CORRECTION DETECTION
402	X-3165-738-1	o CAM (R) ASSY	452	3-170-821-01	s ROLLER (C), C
403	X-3165-739-1	o CAM (L) ASSY	453	X-3167-893-1	o ARM ASSY, C LOCK
404	X-3165-740-1	o ARM (L) ASSY, FF	454	3-170-823-02	s SPRING, LOCK ARM
405	X-3165-741-1	o ARM (R) ASSY, FF	455	3-578-388-00	s SPRING, TENSION
406	X-3165-742-1	o ARM (L) ASSY, SWITCHING	456	3-646-214-00	s SPRING
407	X-3165-743-1	o ARM (R) ASSY, SWITCHING	457	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
408	X-3165-744-2	o ARM (L) ASSY	458	3-712-786-11	s DUMPER, OIL
409	X-3165-745-2	o ARM (R) ASSY	459	3-701-788-XX	o SPRING, TENSION (48T)
410	X-3165-746-3	o ARM ASSY, RACK DRIVING	460	1-698-335-11	s MOTOR, DC (SVD-1489)
411	X-3165-747-4	o RACK (L) ASSY, C	461	3-172-394-01	o SPACER, RUBBER
412	X-3165-748-4	o RACK (R) ASSY, C	462	3-172-873-01	s ROLLER, CASSETTE RETAINER
413	X-3165-770-2	o LEVER (R) ASSY, PUSH-OUT	463	3-172-874-02	s SPRING, C IN SHUTTER
414	3-169-557-02	o STAY, C	464	3-172-876-03	o SPRING (A), C STOPPER
415	1-638-701-12	o PRINTED CIRCUIT BOARD, CS-25	465	3-669-465-01	s WASHER 1.5, STOPPER
416	1-638-702-11	o PRINTED CIRCUIT BOARD, CS-26	466	3-178-212-02	s SUPPORT, SHAFT, C GEAR
417	3-169-352-02	s ROLLER (A), C	467	3-701-437-01	s WASHER, POLY 2mm, 0.13T
418	3-169-439-01	o RETAINER (LR), CASSETTE	468	3-701-991-01	o BAND BINDING
419	3-169-440-01	o RETAINER (LF), CASSETTE			
420	3-169-441-01	o RETAINER (S), CASSETTE			
421	3-169-442-02	o SPRING (L), S GUIDE			
422	3-169-443-02	o SPRING (R), S GUIDE			
423	3-169-444-01	o SPRING (R), DETECTION			
424	3-169-445-01	o SPRING (L), DETECTION			
425	3-169-456-01	o SHAFT (R), ROLLER			
426	3-169-457-01	o SHAFT, ARM, LOCK			
427	3-169-458-02	o ARM, JOINT			
428	3-169-459-01	o ARM (R), LIFT			
429	3-169-460-01	o ARM, L DETECTION			
430	3-169-461-01	o ARM (L), LIFT			
431	3-169-462-01	o PLATE, GUIDE, S			
432	3-169-463-03	o ARM (L), PUSH-OUT			
433	3-169-464-03	o ARM (R), PUSH-OUT			
434	3-169-465-01	s GEAR, C PINION			
435	3-169-466-03	o GUIDE (R), CASSETTE			
436	3-169-467-01	o GUIDE (L), CASSETTE			
437	3-169-468-02	o SPRING (A), TOGGLE			
438	3-169-469-01	o BEARING			
439	3-169-470-02	o WASHER, C MOTOR			
440	3-169-471-01	s ROLLER (B), C			
441	3-169-472-01	o CAM, PUSH-OUT			
442	3-169-473-01	o SHUTTER, C DOWN			
443	3-169-474-02	o SHUTTER, C UP			
444	3-169-475-03	o SPRING, CASSETTE RETAINER			
445	3-169-477-02	s GEAR (5), C			
446	3-169-478-01	s GEAR (4), C			
447	3-169-479-03	s GEAR (3), C			
448	3-169-480-04	s GEAR (2), C			
449	3-169-481-02	s GEAR (1), C			
450	3-169-482-02	o LEVER (L), PUSH-OUT			

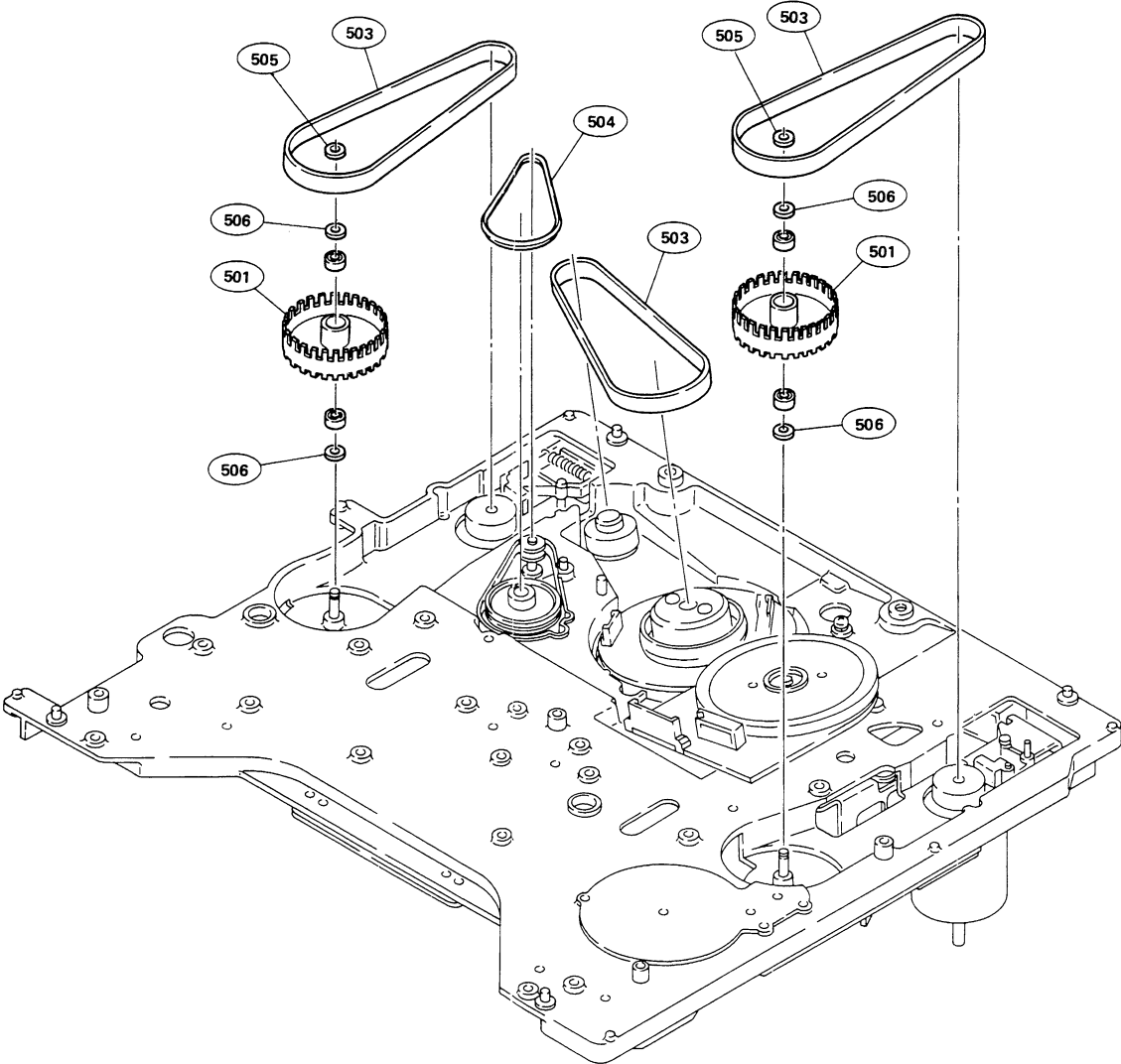
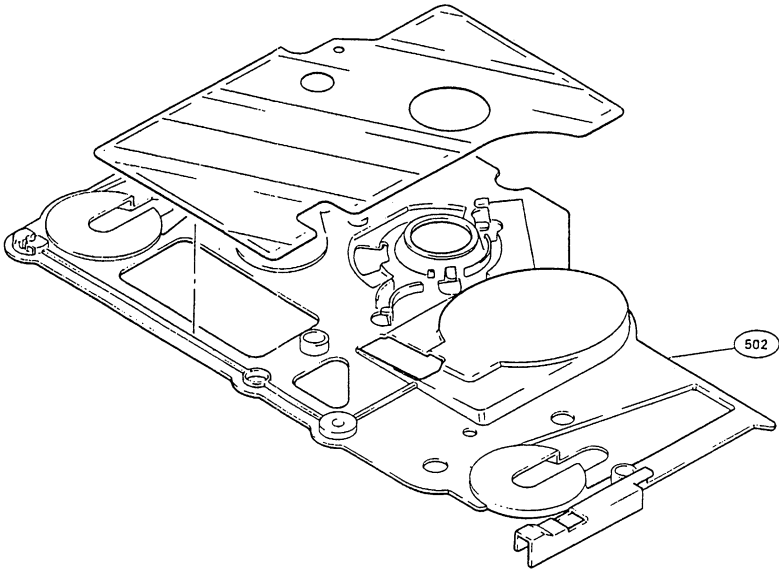
Belt Block

No.	Part No.	SP Description
501	3-169-503-03	s PULLEY (B), RELAY
502	3-171-949-01	o COVER, BELT
503	3-172-003-01	s BELT, DRIVING
504	3-676-303-00	s BELT, T.H MOTOR
505	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
506	3-701-437-21	s WASHER, POLY 2mm DIA., 0.5T

Belt Block

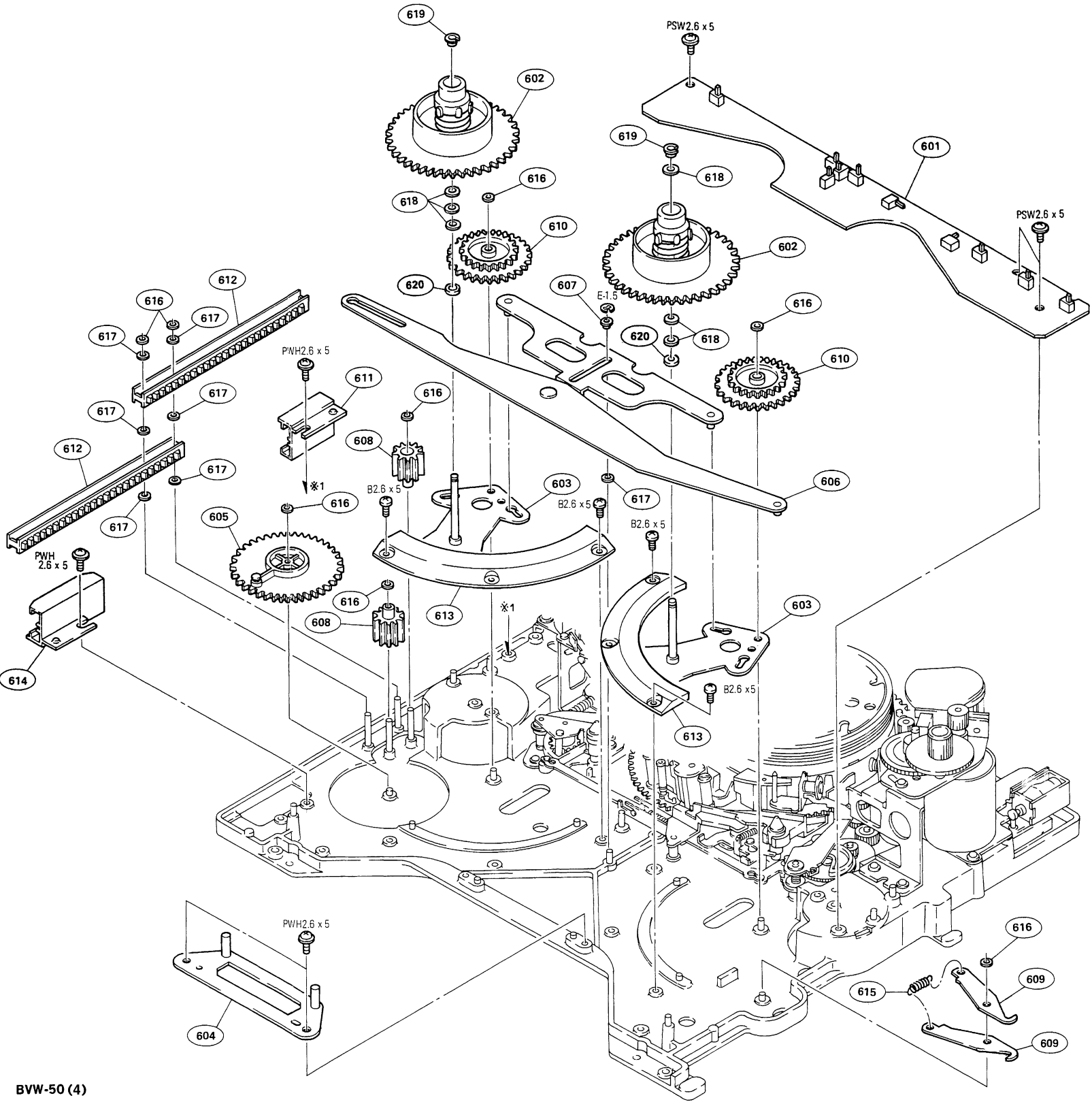
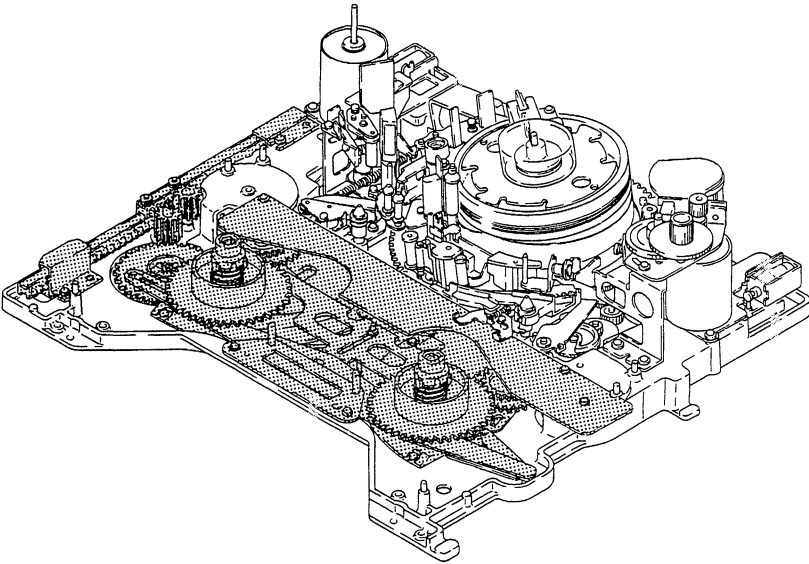


Belt Block Belt Block



BVW-50 (3)

Reel Table Block



BVW-50 (4)

No.	Part No.	SP Description
601	A-6717-612-A	o MOUNTED CIRCUIT BOARD, SE-158
602	A-6739-095-A	s TABLE ASSY, REEL
603	X-3165-760-1	o ARM ASSY, REEL
604	X-3165-761-1	o BASE ASSY, C SUPPORT
605	X-3165-763-1	s GEAR ASSY, OSCILLATION
606	X-3165-775-2	o LINK ASSY, SLIDE
607	3-171-987-01	s ROLLER (G)
608	3-169-500-01	s GEAR, IDLE
609	3-169-501-02	o PLATE, LIMITER
610	3-169-504-01	s GEAR, RELAY
611	3-169-509-01	s RAIL, GUIDE
612	3-169-511-01	o RACK, DRIVING
613	3-169-512-03	o RETAINER, REEL ARM
614	3-172-123-01	s RAIL, GUIDE (F)
615	3-549-014-00	s SPRING, TENSION
616	3-676-387-00	s WASHER, POLY 1.6mm DIA. 0.25T
617	3-701-437-21	s WASHER, POLY 2mm DIA. 0.5T
618	3-701-439-11	s WASHER, POLY 3mm DIA. 0.25T
619	3-703-074-01	s CAP 3, SHAFT
620	3-827-323-11	s WASHER, POLY 3.1mm DIA. 0.075T

Tension Regulator and Full Erase Head Block

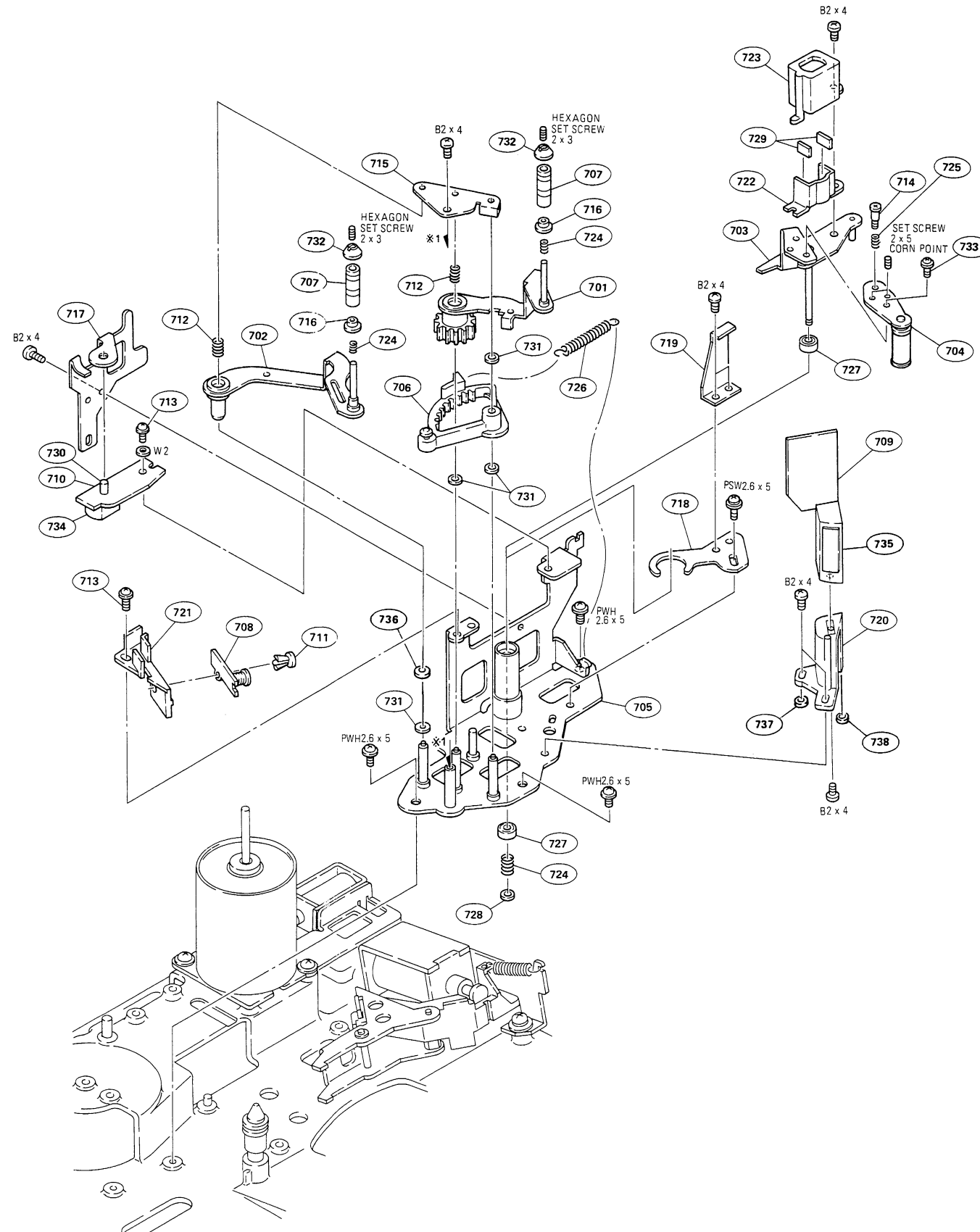
No.	Part No.	SP Description
701	X-3165-725-3	o ARM (A) ASSY, S DRAWER
702	X-3165-726-1	o ARM (B) ASSY, S DRAWER
703	X-3165-727-1	o ARM ASSY, TENSION REGULATOR
704	X-3166-847-1	o ARM (B) ASSY, TENSION REGULATOR
705	X-3165-729-1	o BASE ASSY, TENSION REGULATOR
706	X-3165-730-2	o GEAR ASSY, S LINK
707	X-3722-322-1	s ROLLER ASSY, POM
708	1-543-316-21	s HEAD, SENSING (SMALL TYPE)
709	A-6736-102-A	s HEAD ASSY, FE
710	1-638-710-11	o PRINTED CIRCUIT BOARD, TR-57
711	2-279-715-01	o RIVET, NYLON
712	2-618-901-00	s SPRING
713	2-640-315-01	s SCREW, M2X5 (SMALL, +P, SW)
714	2-641-517-03	s SCREW, SKEW
715	3-169-298-02	o SUPPORT, SH
716	3-169-299-02	s FLANGE, LOWER
717	3-169-300-01	o SUPPORT, DME
718	3-169-301-01	o PLATE, ADJUSTMENT, TENSION
719	3-169-302-02	o SPRING (TR), PLATE
720	3-169-303-01	o DECK, FE HEAD
721	3-169-304-01	o BASE, END SENSOR
722	3-169-305-01	o PLATE, YOKE
723	3-169-336-01	o GUARD, DME
724	3-171-210-01	s SPRING, COMPRESSION
725	3-848-711-01	s SPRING, COMPRESSION
726	3-568-387-00	s SPRING, TENSION
727	3-650-312-00	s BEARING, BALL (NO FLANGE)
728	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
729	3-680-828-01	o MAGNET
730	3-680-830-01	o HOLDER, DME
731	3-701-437-11	s WASHER, POLY 2mm DIA., 0.25T
732	3-722-400-02	s FLANGE (C), UPPER
733	3-729-013-71	s SCREW, M1.4X5, WASHER HEAD (+P)
734	8-745-001-07	s DM-230-1
735	8-825-772-62	s HEAD FE FE291-21A
736	3-701-437-01	s WASHER, POLY 2mm, 0.13T
737	3-701-439-01	s WASHER, POLY 3mm, 0.13T
738	3-701-439-11	s WASHER, POLY 3mm, 0.25T

Tension Regulator and Full Erase Head Block

This is a detailed exploded view diagram of a mechanical assembly, likely a watch movement. The diagram shows various components arranged in a complex, interconnected layout. Key parts include:

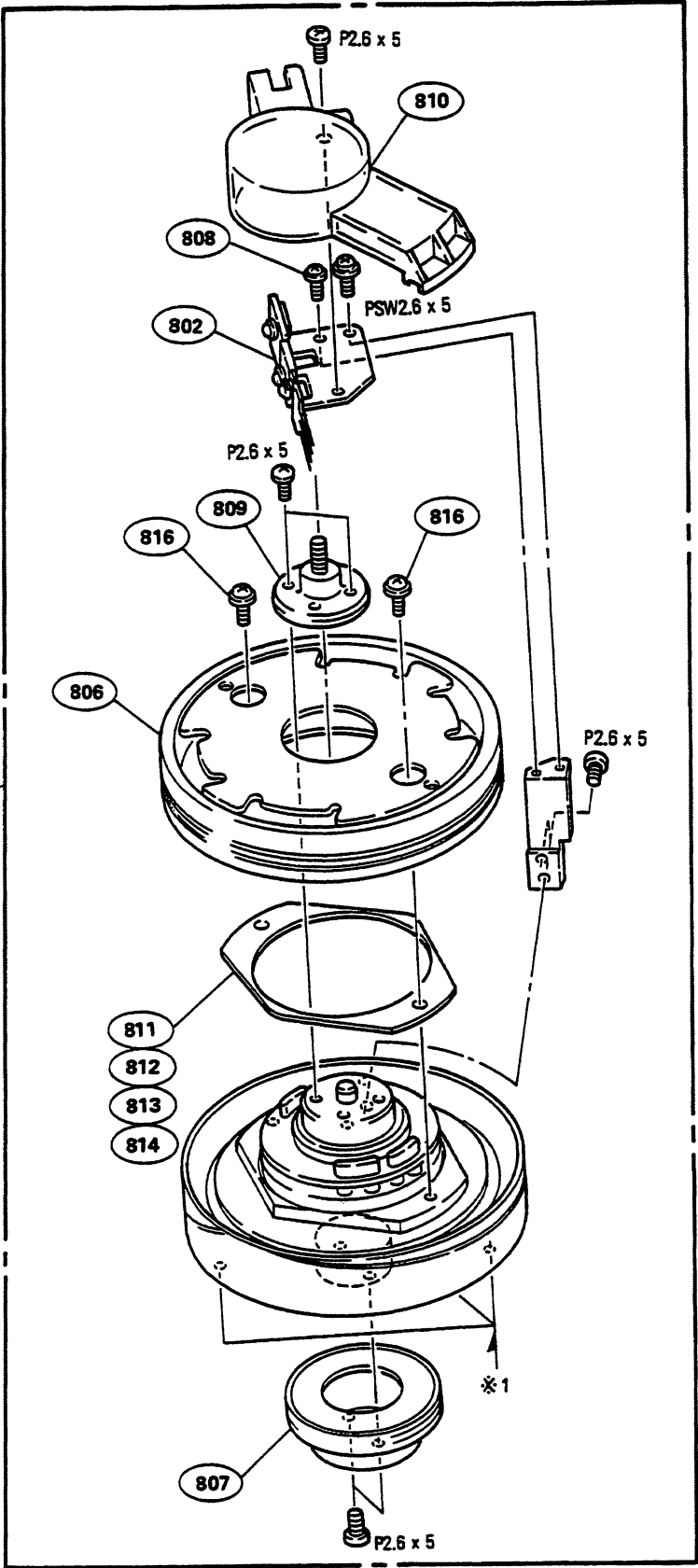
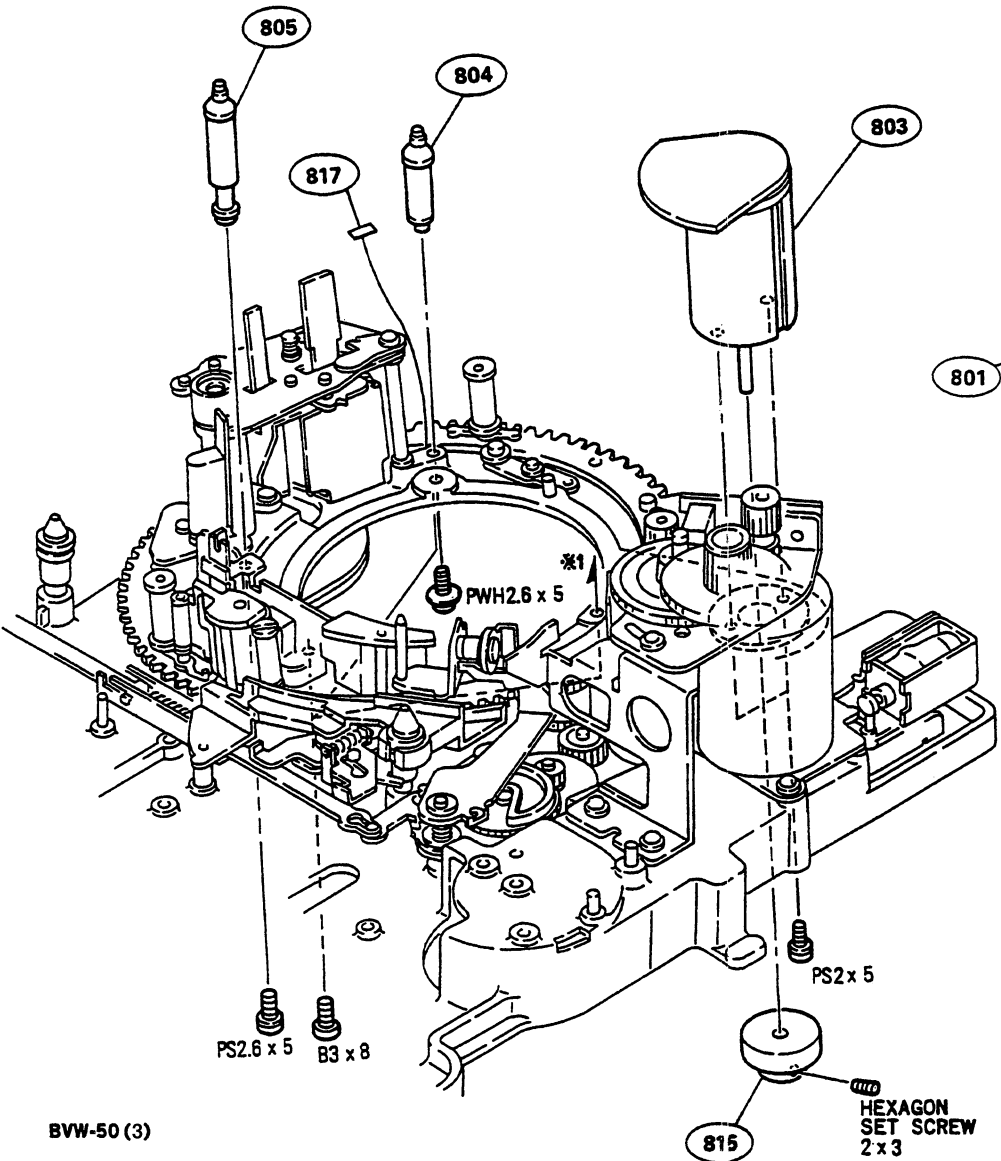
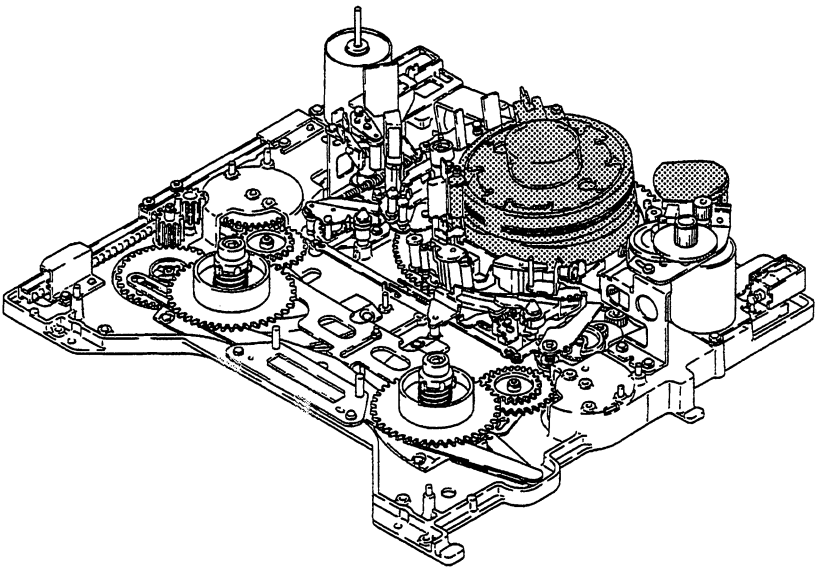
- Gears:** Several gears of different sizes are visible, including a large gear on the left and a smaller gear on the right.
- Levers and Arms:** Various levers and arms are shown, some with curved ends, likely for timing or regulation.
- Coil and Winding Mechanism:** A large, cylindrical component on the right side appears to be a coil or a winding mechanism.
- Base Plate:** The entire assembly is mounted on a complex base plate with various slots and mounting points.
- Other Components:** Numerous smaller parts, including screws, pins, and springs, are shown in their relative positions.

The diagram is a technical drawing, likely a patent illustration, showing the exploded view of the assembly to illustrate its components and their relative positions.



BVW-50

Head Drum and Tape Guide Block

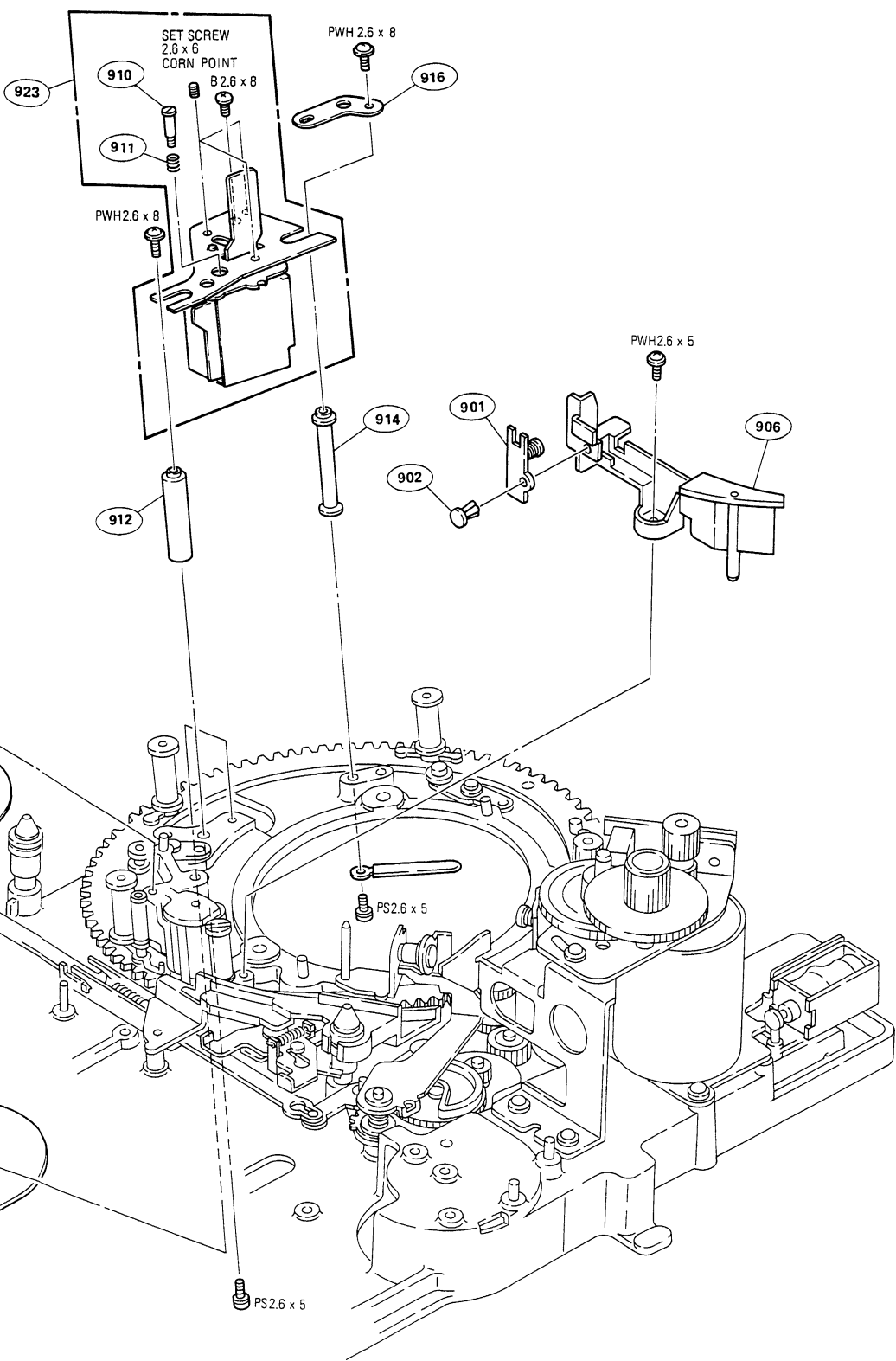
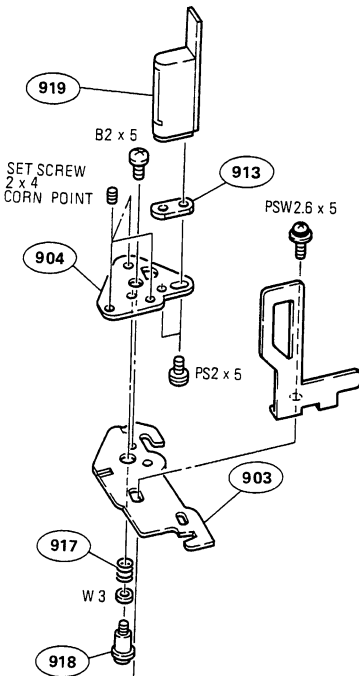
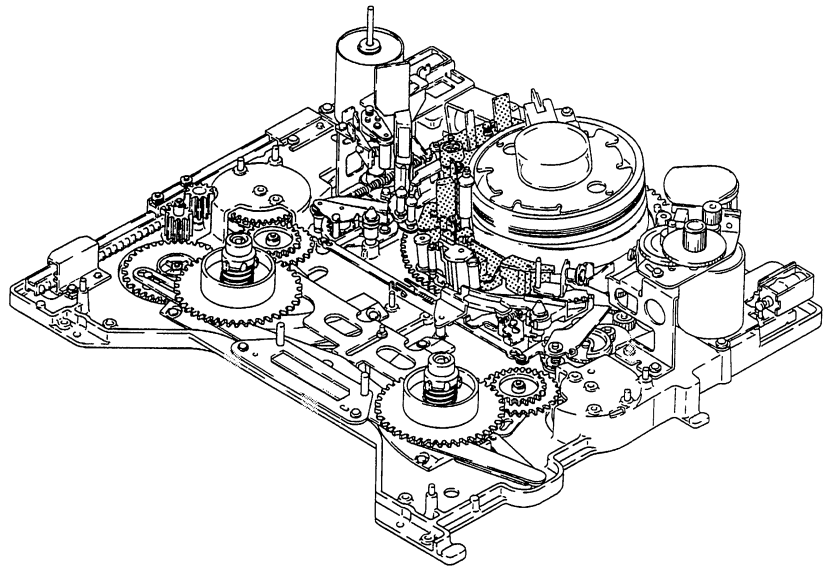


No.	Part No.	SP Description
801	A-6050-765-A	s HEAD DRUM ASSY, DBH-21A-R (for J,UC)
	A-6050-807-A	s HEAD DRUM ASSY, DBH-22A-R (for EK)
802	A-6050-786-A	s BRUSH ASSY
803	A-6737-186-C	s MOTOR ASSY, DRUM
804	A-6746-024-E	s GUIDE ASSY, EXIT
805	A-6746-068-B	s GUIDE ASSY, ENTRANCE
806	A-6762-451-A	s ROTARY UPPER DRUM ASSY, DBR-21-R (for J,UC)
	A-6762-454-A	s ROTARY UPPER DRUM ASSY, DBR-22-R (for EK)
807	X-3165-802-1	s PULLEY ASSY
808	2-640-315-01	s SCREW, M2X5 (SMALL, +P, SW)
809	A-6050-788-A	s RING ASSY, SLIP
810	3-169-944-02	o COVER, BRUSH
811	3-717-120-01	s SPACER, FLANGE
812	3-717-120-11	s SPACER, FLANGE
813	3-717-120-21	s SPACER, FLANGE
814	3-717-120-31	s SPACER, FLANGE
815	3-719-122-02	s PULLEY, D MOTOR
816	3-729-125-01	s SCREW, M2.6X8
817	3-176-445-11	o SPACER, EXIT GUIDE

Stationaly Head and Capstan Block

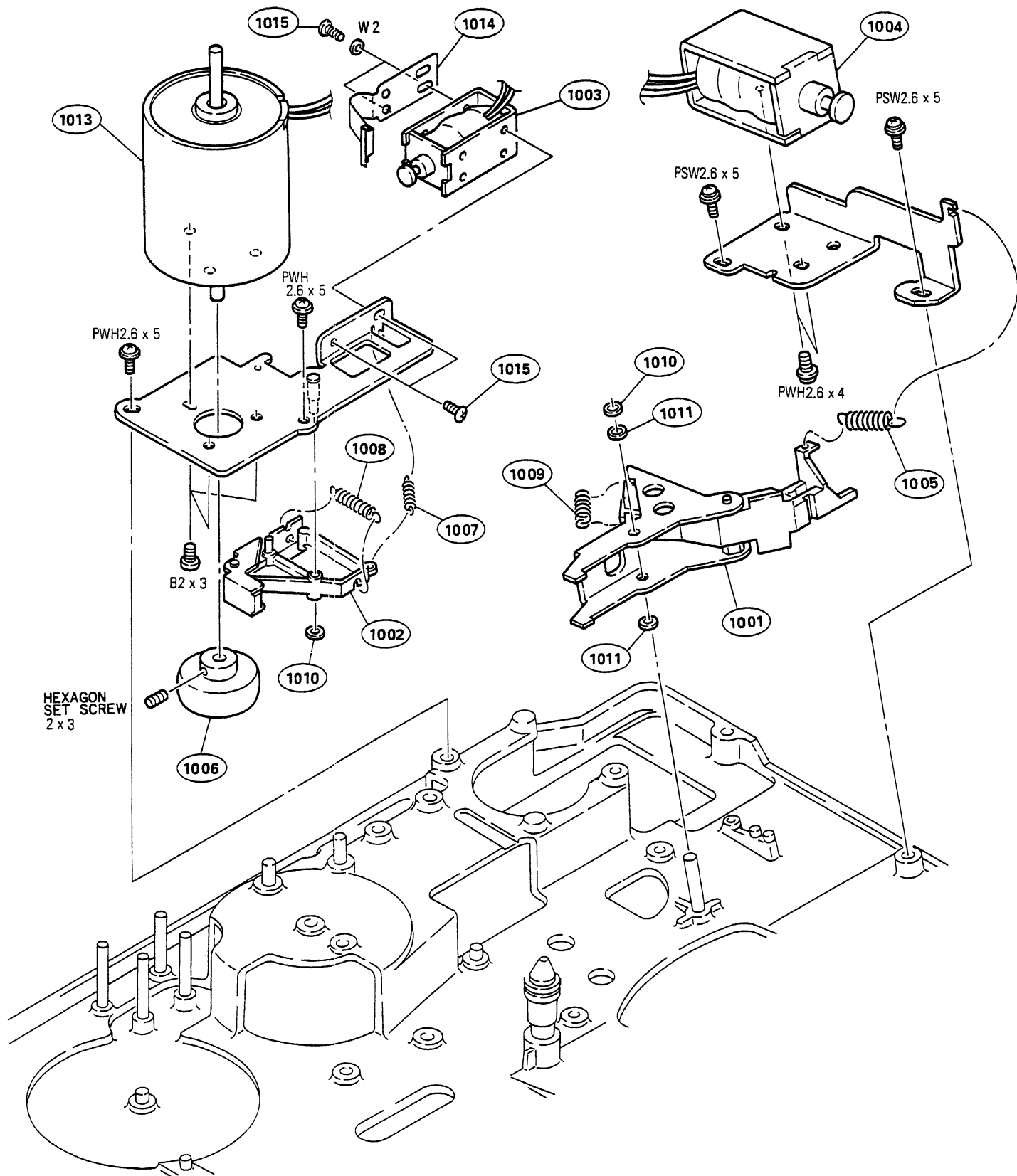
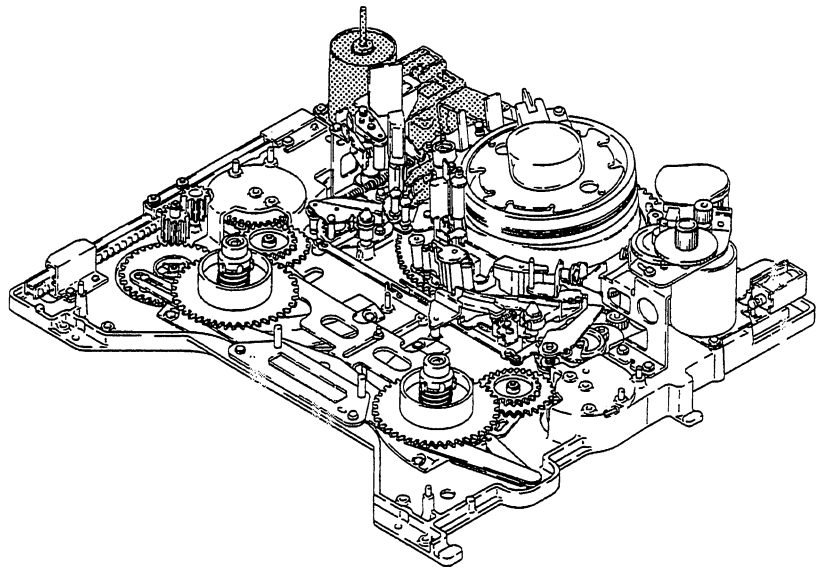
No.	Part No.	SP Description
901	1-543-316-21	s HEAD, SENSING (SMALL TYPE)
902	2-279-715-01	s RIVET, NYLON
903	3-169-340-01	o DECK, CTL HEAD
904	3-169-341-01	o BRACKET, CTL
906	3-169-507-03	o HOLDER (B), TOP SENSOR
907	3-169-508-01	o CAP, CAPSTAN
909	3-170-801-01	s PLATE, SHIELD, C
910	3-643-451-00	s SCREW, AZIMUTH ADJUSTMENT
911	3-653-350-00	s SPRING, COMPRESSION
912	3-676-013-00	o SUPPORT (A), AU HEAD
913	3-687-142-01	o SPACER, CTL HEAD
914	3-698-732-03	o SUPPORT (B), AU HEAD
916	3-719-255-01	o ADJUSTOR, Y
917	4-855-250-00	s SPRING, COMPRESSION
918	4-918-991-01	s SCREW, STEP
919	8-825-554-84	s HEAD, CTL PS244-21B
922	8-835-437-01	s MOTOR, DC SCV-0201A
923	A-6736-093-B	s HEAD ASSY, ATAC

Stationary Head and Capstan Block



BVW-50 (5)

Pinch Press and S Reel Motor Block



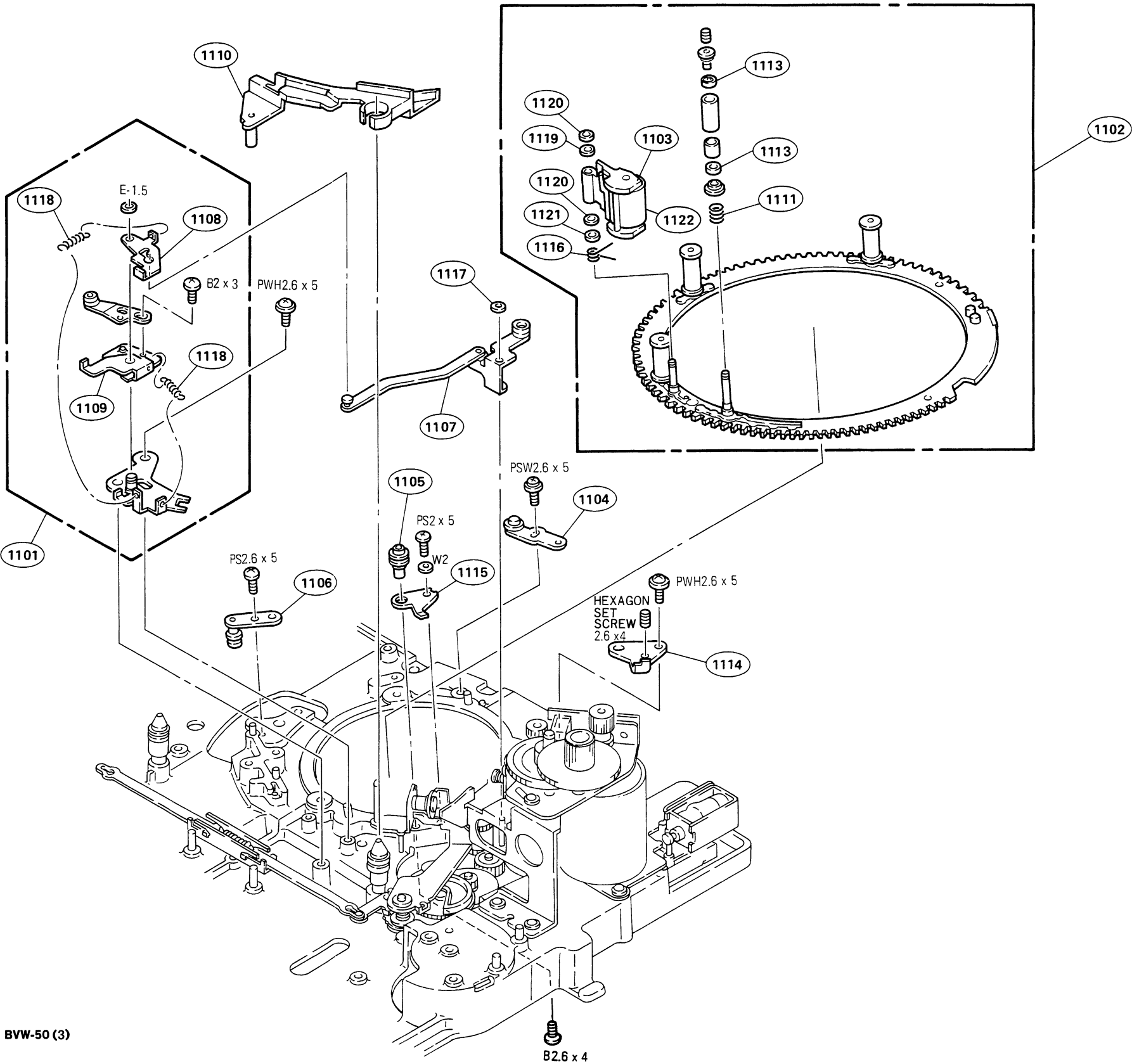
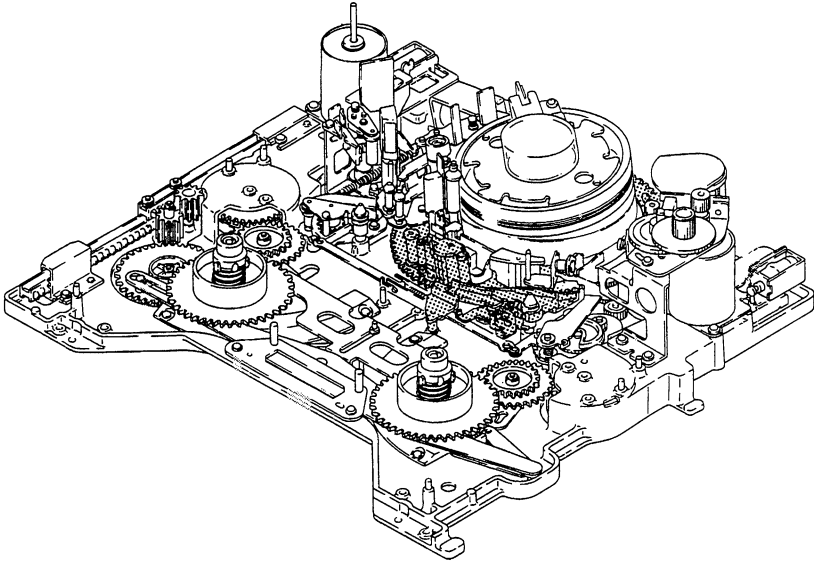
BVW-50 (2)

No.	Part No.	SP Description
1001	X-3165-724-1	o LEVER ASSY, PINCH PRESS
1002	X-3165-731-2	s ARM ASSY, BRAKE
1003	1-454-334-61	s SOLENOID, PLUNGER
1004	1-454-383-21	s SOLENOID, PLUNGER
1005	3-513-074-11	s SPRING, TENSION
1006	3-169-370-03	o PULLEY, MOTOR
1007	3-307-374-00	s SPRING, TENSION
1008	3-642-482-00	s SPRING, TENSION
1009	3-563-103-01	s SPRING, TENSION
1010	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
1011	3-701-438-11	s WASHER, POLY 2.5mm DIA., 0.25T
1013	8-835-441-01	s MOTOR R432276751A
1014	3-173-411-01	s SPRING, BRAKE PLATE
1015	7-627-553-17	s SCREW, PRECISION +P 2X2

Threading Ring Block

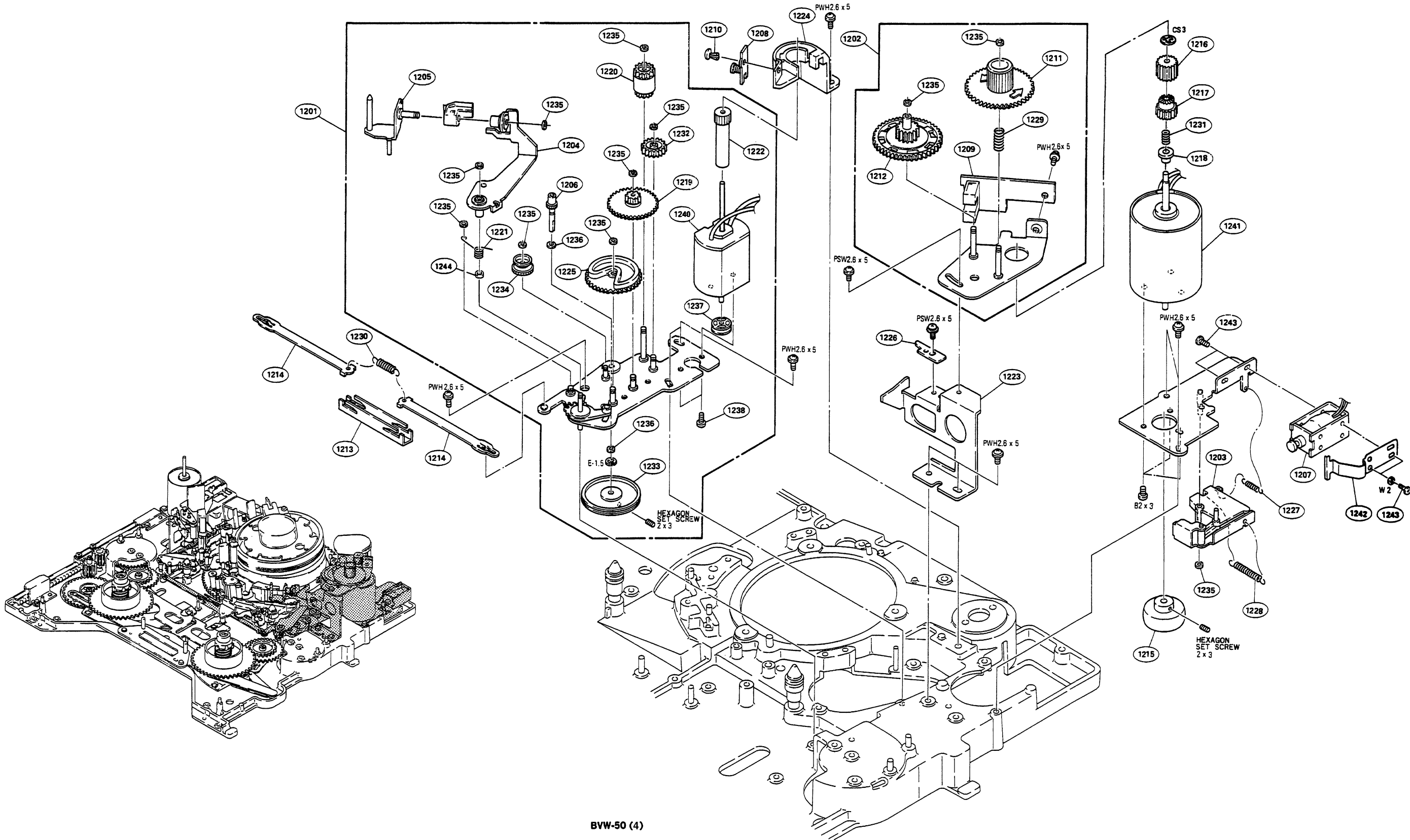
No.	Part No.	SP Description
1101	A-6750-283-B	s STOPPER ASSY, RING
1102	A-6750-285-C	s RING ASSY, THREADING
1103	X-3165-756-4	s ARM ASSY, PINCH
1104	X-3165-757-1	o PLATE ASSY, ADJUSTMENT, ROLLER
1105	X-3165-758-1	o SHAFT ASSY, RING ROLLER
1106	X-3165-759-1	o PLATE ASSY, RG
1107	X-3165-764-1	s LEVER (A) ASSY, STOPPER
1108	3-169-329-01	o LEVER (A), SWITCH
1109	3-169-330-01	o LEVER (B), SWITCH
1110	3-169-510-02	o GUARD, PINCH
1111	3-538-940-01	s SPRING, COMPRESSION
1113	3-650-312-00	s BEARING, BALL (NO FLANGE)
1114	3-676-034-00	o STOPPER (B), RING
1115	3-676-181-00	o STOPPER (A), RING
1116	3-676-304-00	s SPRING
1117	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
1118	3-678-724-00	s SPRING, TENSION
1119	3-701-436-01	s WASHER, POLY 1.6mm DIA., 0.13T
1120	3-701-436-11	s WASHER, POLY 1.6mm DIA., 0.25T
1121	3-701-436-21	s WASHER, POLY 1.6mm DIA., 0.5T
1122	X-3678-926-1	s PINCH ROLLER ASSY

Threading Ring Block



BVW-50 (3)

Gear and T Reel Motor Block



BVW-50 (4)

No.	Part No.	SP Description
1201	A-6750-286-A	s BLOCK ASSY, GEAR
1202	A-6750-287-B	o EJECT ASSY, MANUAL
1203	X-3165-731-2	s ARM ASSY, BRAKE
1204	X-3165-734-2	o ARM ASSY, DRAWER
1205	X-3165-735-1	s LINK ASSY, SLANT
1206	X-3676-050-0	s GEAR ASSY, MOTHER
1207	1-454-334-61	s SOLENOID, PLUNGER
1208	1-543-316-21	s HEAD, SENSING (SMALL TYPE)
1209	1-638-705-12	o PRINTED CIRCUIT BOARD, DET-15
1210	2-279-715-01	s RIVET, NYLON
1211	3-169-312-01	s GEAR, MANUAL DRIVING
1212	3-169-313-01	s GEAR, MIDWAY
1213	3-169-337-01	o CASE, LIMITER
1214	3-169-338-02	o JOINT, ST
1215	3-169-370-03	o PULLEY, MOTOR
1216	3-169-371-02	s PLATE, CLUTCH
1217	3-169-372-01	s GEAR, REEL MOTOR DRIVING
1218	3-169-373-01	s WASHER, SPRING
1219	3-169-401-02	s GEAR, DECELERATION
1220	3-169-402-01	s GEAR, RING DRIVE
1221	3-169-403-01	s SPRING, DRAWER ARM
1222	3-169-404-02	s GEAR, THREADING MOTOR DRIVING
1223	3-169-502-03	o PLATE, LID OPEN
1224	3-169-506-01	o HOLDER (A), TOP SENSOR
1225	3-169-538-01	s CAM, DRAWER
1226	3-170-244-01	o PLATE, SLANT
1227	3-307-374-00	s SPRING, TENSION
1228	3-642-482-00	s SPRING, TENSION
1229	3-561-540-01	s SPRING, COMPRESSION
1230	3-563-103-01	s SPRING, TENSION
1231	3-637-331-00	s SPRING, COMPRESSION (L)
1232	3-676-157-00	s GEAR, TRANSFER
1233	3-676-166-00	s PULLEY, DECELERATION
1234	3-676-167-00	s PULLEY, EJECT
1235	3-676-387-00	s WASHER, POLY 1.6mm DIA., 0.25T
1236	3-701-437-11	s WASHER, POLY 2mm DIA., 0.25T
1237	3-713-318-01	s PULLEY, MOTOR
1238	7-627-552-38	s SCREW, PRECISION +P 1.7X3
1240	8-835-440-01	s MOTOR DN20-Q7Z1B
1241	8-835-441-01	s MOTOR R432276751A
1242	3-173-411-01	s SPRING, BRAKE PLATE
1243	7-627-553-17	s SCREW, PRECISION +P 2X2
1244	3-701-437-01	s WASHER, POLY 2mm, 0.13T

13-3. ELECTRICAL PART LIST

CAPACITOR, CHIP ELECT

Part No. SP Description

1-126-390-11 s ELECT, CHIP 22uF 20% 6.3V
 1-126-391-11 s ELECT, CHIP 47uF 20% 6.3V
 1-126-392-11 s ELECT, CHIP 100uF 20% 6.3V
 1-126-393-11 s ELECT, CHIP 33uF 20% 10V
 1-126-394-11 s ELECT, CHIP 10uF 20% 16V

 1-126-396-11 s ELECT, CHIP 47uF 20% 16V
 1-126-397-11 s ELECT, CHIP 33uF 20% 25V
 1-126-398-11 s ELECT, CHIP 4.7uF 20% 35V
 1-126-401-11 s ELECT, CHIP 1uF 20% 50V
 1-126-402-11 s ELECT, CHIP 2.2uF 20% 50V

 1-126-403-11 s ELECT, CHIP 3.3uF 20% 50V
 1-126-412-11 s ELECT, CHIP 220uF 20% 4V

CAPACITOR, CHIP TANTALUM

Part No. SP Description

1-135-072-21 s TANTALUM, CHIP 0.22uF 10% 35V
 1-135-073-00 s TANTALUM, CHIP 0.33uF 10% 35V
 1-135-079-21 s TANTALUM, CHIP 3.3uF 10% 35V
 1-135-091-00 s TANTALUM, CHIP 1uF 10% 16V
 1-135-146-21 s TANTALUM, CHIP 0.68uF 20% 25V

 1-135-153-21 s TANTALUM, CHIP 2.2uF 20% 25V
 1-135-157-21 s TANTALUM, CHIP 10uF 10% 6.3V
 1-135-159-21 s TANTALUM, CHIP 10uF 10% 20V
 1-135-161-21 s TANTALUM, CHIP 22uF 10% 10V
 1-135-163-21 s TANTALUM, CHIP 47uF 10% 4V

 1-135-166-21 s TANTALUM, CHIP 47uF 10% 10V
 1-135-176-21 s TANTALUM, CHIP 0.68uF 20% 35V
 1-135-177-21 s TANTALUM, CHIP 1uF 10% 25V
 1-135-179-21 s TANTALUM, CHIP 2.2uF 10% 16V
 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V

 1-135-187-21 s TANTALUM, CHIP 2.2uF 10% 4V
 1-135-190-21 s TANTALUM, CHIP 0.1uF 10% 20V
 1-135-192-21 s TANTALUM, CHIP 0.47uF 10% 20V
 1-135-201-11 s TANTALUM, CHIP 10uF 20% 6.3V
 1-135-202-21 s TANTALUM, CHIP 22uF 10% 4V

 1-135-210-11 s TANTALUM, CHIP 4.7uF 20% 10V
 1-135-211-11 s TANTALUM, CHIP 6.8uF 20% 6.3V
 1-135-216-11 s TANTALUM, CHIP 10uF 20% 10V

CAPACITOR, CERAMIC

Part No. SP Description

1-162-907-11 s CERAMIC, CHIP 2PF 50V
 1-162-908-11 s CERAMIC, CHIP 3PF 50V
 1-162-910-11 s CERAMIC, CHIP 5PF 50V
 1-162-913-11 s CERAMIC, CHIP 8PF 50V
 1-162-915-11 s CERAMIC, CHIP 10PF 5PF 50V

 1-162-916-11 s CERAMIC, CHIP 12PF 5% 50V
 1-162-917-11 s CERAMIC, CHIP 15PF 5% 50V
 1-162-918-11 s CERAMIC, CHIP 18PF 5% 50V
 1-162-919-11 s CERAMIC, CHIP 22PF 5% 50V
 1-162-920-11 s CERAMIC, CHIP 27PF 5% 50V

 1-162-921-11 s CERAMIC, CHIP 33PF 5% 50V
 1-162-923-11 s CERAMIC, CHIP 47PF 5% 50V
 1-162-924-11 s CERAMIC, CHIP 56PF 5% 50V
 1-162-925-11 s CERAMIC, CHIP 68PF 5% 50V
 1-162-926-11 s CERAMIC, CHIP 82PF 5% 50V

 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V
 1-162-928-11 s CERAMIC, CHIP 120PF 5% 50V
 1-162-957-11 s CERAMIC, CHIP 220PF 5% 50V
 1-162-959-11 s CERAMIC, CHIP 330PF 5% 50V
 1-162-963-11 s CERAMIC, CHIP 680PF 10% 50V

 1-162-965-11 s CERAMIC, CHIP 0.0015uF 10% 50V
 1-162-966-11 s CERAMIC, CHIP 0.0022uF 10% 50V
 1-162-967-11 s CERAMIC, CHIP 0.0033uF 10% 50V
 1-162-968-11 s CERAMIC, CHIP 0.0047uF 10% 50V
 1-162-969-11 s CERAMIC, CHIP 0.0068uF 10% 25V

 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V
 1-162-974-11 s CERAMIC, CHIP 0.01uF 50V
 1-162-975-11 s CERAMIC, CHIP 24PF 5% 50V
 1-162-979-11 s CERAMIC, CHIP 0.0027uF 10% 50V
 1-162-995-11 s CERAMIC, CHIP 0.022uF 50V

 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V

RESISTOR, CHIP METAL

Part No.	SP Description
1-216-789-11	s METAL, CHIP 2.2 5% 1/16W
1-216-791-11	s METAL, CHIP 3.3 5% 1/16W
1-216-797-11	s METAL, CHIP 10 5% 1/16W
1-216-801-11	s METAL, CHIP 22 5% 1/16W
1-216-803-11	s METAL, CHIP 33 5% 1/16W
1-216-804-11	s METAL, CHIP 39 5% 1/16W
1-216-805-11	s METAL, CHIP 47 5% 1/16W
1-216-807-11	s METAL, CHIP 68 5% 1/16W
1-216-808-11	s METAL, CHIP 82 5% 1/16W
1-216-809-11	s METAL, CHIP 100 5% 1/16W
1-216-812-11	s METAL, CHIP 180 5% 1/16W
1-216-813-11	s METAL, CHIP 220 5% 1/16W
1-216-814-11	s METAL, CHIP 270 5% 1/16W
1-216-815-11	s METAL, CHIP 330 5% 1/16W
1-216-816-11	s METAL, CHIP 390 5% 1/16W
1-216-817-11	s METAL, CHIP 470 5% 1/16W
1-216-819-11	s METAL, CHIP 680 5% 1/16W
1-216-820-11	s METAL, CHIP 820 5% 1/16W
1-216-821-11	s METAL, CHIP 1K 5% 1/16W
1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
1-216-833-11	s METAL, CHIP 10K 5% 1/16W
1-216-834-11	s METAL, CHIP 12K 5% 1/16W
1-216-835-11	s METAL, CHIP 15K 5% 1/16W
1-216-836-11	s METAL, CHIP 18K 5% 1/16W
1-216-837-11	s METAL, CHIP 22K 5% 1/16W
1-216-838-11	s METAL, CHIP 27K 5% 1/16W
1-216-839-11	s METAL, CHIP 33K 5% 1/16W
1-216-840-11	s METAL, CHIP 39K 5% 1/16W
1-216-841-11	s METAL, CHIP 47K 5% 1/16W
1-216-842-11	s METAL, CHIP 56K 5% 1/16W
1-216-843-11	s METAL, CHIP 68K 5% 1/16W
1-216-844-11	s METAL, CHIP 82K 5% 1/16W
1-216-845-11	s METAL, CHIP 100K 5% 1/16W
1-216-846-11	s METAL, CHIP 120K 5% 1/16W
1-216-847-11	s METAL, CHIP 150K 5% 1/16W
1-216-848-11	s METAL, CHIP 180K 5% 1/16W
1-216-849-11	s METAL, CHIP 220K 5% 1/16W
1-216-850-11	s METAL, CHIP 270K 5% 1/16W
1-216-851-11	s METAL, CHIP 330K 5% 1/16W
1-216-852-11	s METAL, CHIP 390K 5% 1/16W
1-216-853-11	s METAL, CHIP 470K 5% 1/16W
1-216-854-11	s METAL, CHIP 560K 5% 1/16W
1-216-855-11	s METAL, CHIP 680K 5% 1/16W
1-216-857-11	s METAL, CHIP 1M 5% 1/16W
1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
1-216-864-11	s METAL, CHIP 0
1-216-994-11	s METAL, CHIP 13K 0.50% 1/16W
1-218-184-11	s METAL, CHIP 997 0.1% 1/16W
1-218-269-11	s METAL, CHIP 360 5% 1/16W
1-218-292-11	s METAL, CHIP 20K 5% 1/16W

(RESISTOR, CHIP METAL)

Part No.	SP Description
1-218-295-11	s METAL, CHIP 4.3K 5% 1/16W
1-218-298-11	s METAL, CHIP 2.2K 1% 1/16W
1-218-313-11	s METAL, CHIP 560 1% 1/16W
1-218-330-11	s METAL, CHIP 11K 5% 1/16W
1-218-348-11	s METAL, CHIP 110K 5% 1/16W
1-218-662-91	s METAL, CHIP 56 0.50% 1/16W
1-218-664-91	s METAL, CHIP 68 0.50% 1/16W
1-218-665-91	s METAL, CHIP 75 0.50% 1/16W
1-218-668-91	s METAL, CHIP 100 0.50% 1/16W
1-218-670-91	s METAL, CHIP 120 0.50% 1/16W
1-218-671-91	s METAL, CHIP 130 0.50% 1/16W
1-218-672-91	s METAL, CHIP 150 0.50% 1/16W
1-218-674-91	s METAL, CHIP 180 0.50% 1/16W
1-218-675-91	s METAL, CHIP 200 0.50% 1/16W
1-218-679-91	s METAL, CHIP 300 0.50% 1/16W
1-218-680-91	s METAL, CHIP 330 0.50% 1/16W
1-218-682-91	s METAL, CHIP 390 0.50% 1/16W
1-218-685-91	s METAL, CHIP 510 0.50% 1/16W
1-218-687-91	s METAL, CHIP 620 0.50% 1/16W
1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
1-218-691-91	s METAL, CHIP 910 0.50% 1/16W
1-218-692-91	s METAL, CHIP 1K 0.50% 1/16W
1-218-693-91	s METAL, CHIP 1.1K 0.50% 1/16W
1-218-694-91	s METAL, CHIP 1.2K 0.50% 1/16W
1-218-695-91	s METAL, CHIP 1.3K 0.50% 1/16W
1-218-696-91	s METAL, CHIP 1.5K 0.50% 1/16W
1-218-697-91	s METAL, CHIP 1.6K 0.50% 1/16W
1-218-698-91	s METAL, CHIP 1.8K 0.50% 1/16W
1-218-699-91	s METAL, CHIP 2K 0.50% 1/16W
1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
1-218-701-11	s METAL, CHIP 2.4K 0.50% 1/16W
1-218-702-91	s METAL, CHIP 2.7K 0.50% 1/16W
1-218-703-91	s METAL, CHIP 3K 0.50% 1/16W
1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
1-218-705-91	s METAL, CHIP 3.6K 0.50% 1/16W
1-218-706-11	s METAL, CHIP 3.9K 0.50% 1/16W
1-218-707-91	s METAL, CHIP 4.3K 0.50% 1/16W
1-218-708-11	s METAL, CHIP 4.7K 0.50% 1/16W
1-218-709-91	s METAL, CHIP 5.1K 0.50% 1/16W
1-218-711-91	s METAL, CHIP 6.2K 0.50% 1/16W
1-218-712-91	s METAL, CHIP 6.8K 0.50% 1/16W
1-218-713-91	s METAL, CHIP 7.5K 0.50% 1/16W
1-218-715-91	s METAL, CHIP 9.1K 0.50% 1/16W
1-218-723-91	s METAL, CHIP 20K 0.50% 1/16W
1-218-727-91	s METAL, CHIP 30K 0.50% 1/16W
1-218-728-91	s METAL, CHIP 33K 0.50% 1/16W
1-218-729-91	s METAL, CHIP 36K 0.50% 1/16W
1-218-733-91	s METAL, CHIP 51K 0.50% 1/16W
1-218-734-91	s METAL, CHIP 56K 0.50% 1/16W
1-218-735-91	s METAL, CHIP 62K 0.50% 1/16W
1-218-746-91	s METAL, CHIP 180K 0.50% 1/16W
1-218-748-91	s METAL, CHIP 220K 0.50% 1/16W
1-218-922-91	s METAL, CHIP 3.26K 0.10% 1/16W

INDUCTOR, CHIP

Part No. SP Description

1-408-769-41 s INDUCTOR, CHIP 2.2UH
1-408-771-11 s INDUCTOR, CHIP 3.3UH
1-408-773-31 s INDUCTOR, CHIP 4.7UH
1-408-774-11 s INDUCTOR, CHIP 5.6UH
1-408-776-00 s INDUCTOR, CHIP 8.2UH

1-408-777-00 s INDUCTOR, CHIP 10UH
1-408-778-21 s INDUCTOR, CHIP 12UH
1-408-779-31 s INDUCTOR, CHIP 15UH
1-408-781-00 s INDUCTOR, CHIP 22UH
1-408-783-00 s INDUCTOR, CHIP 33UH

1-498-784-11 s INDUCTOR, CHIP 39UH
1-408-785-21 s INDUCTOR, CHIP 47UH
1-408-787-00 s INDUCTOR, CHIP 68UH
1-408-788-21 s INDUCTOR, CHIP 82UH
1-408-789-21 s INDUCTOR, CHIP 100UH

1-408-791-00 s INDUCTOR, CHIP 150uH
1-408-793-21 s INDUCTOR, CHIP 220UH
1-408-794-00 s INDUCTOR, CHIP 270UH
1-408-795-21 s INDUCTOR, CHIP 330UH
1-408-797-11 s INDUCTOR, CHIP 470UH

 AU-142 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6713-425-A	o MOUNTED CIRCUIT BOARD, AU-142
#2pcs	3-555-872-21	o SPACER
#C101	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C206	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C256	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C307	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C308	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C357	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C358	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C402	1-164-369-11	s CERAMIC, CHIP 330PF 5% 500V
C404	1-164-369-11	s CERAMIC, CHIP 330PF 5% 500V
C406	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C410	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C412	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C413	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C416	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C441	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C452	1-164-369-11	s CERAMIC, CHIP 330PF 5% 500V
C454	1-164-369-11	s CERAMIC, CHIP 330PF 5% 500V
C456	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C460	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C462	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C463	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C466	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C491	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
#C504	1-135-189-11	s TANTALUM, CHIP 4.7uF 20% 6.3V
C507	1-135-155-21	s TANTALUM, CHIP 4.7uF 10% 16V
C553	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C555	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C601	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C602	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C605	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C611	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C620	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C624	1-164-172-11	s CERAMIC, CHIP 0.0056uF 5% 25V
C627	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C632	1-162-958-11	s CERAMIC, CHIP 270PF 5% 50V
C635	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C636	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C637	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C639	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C651	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C652	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C655	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C661	1-164-174-11	s CERAMIC, CHIP 0.0082uF 10% 25V
C670	1-126-399-11	s ELECT, CHIP 10uF 20% 35V
C674	1-164-172-11	s CERAMIC, CHIP 0.0056uF 5% 25V
C677	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C682	1-162-958-11	s CERAMIC, CHIP 270PF 5% 50V
C685	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C686	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C689	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C703	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C704	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C705	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C706	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C708	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C710	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(AU-142 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C713	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C719	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C751	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C754	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C756	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C757	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C759	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C761	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C766	1-124-478-11	s ELECT 100uF 20% 25V
C767	1-124-478-11	s ELECT 100uF 20% 25V
C791	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C792	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V
C801	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C803	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C804	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C851	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C853	1-164-245-11	s CERAMIC, CHIP 0.015uF 10% 25V
C855	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
#C903	1-135-208-11	s TANTALUM, CHIP 1uF 20% 10V
#C904	1-135-208-11	s TANTALUM, CHIP 1uF 20% 10V
C905	1-135-226-21	s TANTALUM, CHIP 0.68uF 10% 16V
C906	1-135-226-21	s TANTALUM, CHIP 0.68uF 10% 16V
C914	1-136-561-11	s FILM 0.0068uF 5% 630V
C915	1-136-561-11	s FILM 0.0068uF 5% 630V
C916	1-164-371-11	s CERAMIC 680PF 5% 500V
C918	1-164-371-11	s CERAMIC 680PF 5% 500V
C935	1-135-226-21	s TANTALUM, CHIP 0.68uF 10% 16V
C937	1-164-371-11	s CERAMIC 680PF 5% 500V
C939	1-164-371-11	s CERAMIC 680PF 5% 500V
C991	1-127-531-11	s ALUMIN SOLID 33uF 20% 20V
CN301	1-568-079-11	s CONNECTOR, HINGE 20P, FEMALE
CN302	1-568-084-11	s CONNECTOR, HINGE 30P, FEMALE
CN303	1-506-474-11	s CONNECTOR 9P, MALE
CN311	1-506-471-11	s CONNECTOR 6P, MALE
CN312	1-506-468-11	s CONNECTOR 3P, MALE
D201	8-719-941-86	s DIODE DAN202U
D202	8-719-941-23	s DIODE DA204U
D251	8-719-941-86	s DIODE DAN202U
D403	8-719-941-86	s DIODE DAN202U
D502	8-719-941-09	s DIODE DAP202U
D503	8-719-106-22	s DIODE RD7.5M-B1
D504	8-719-941-09	s DIODE DAP202U
D505	8-719-941-09	s DIODE DAP202U
D601	8-719-941-23	s DIODE DA204U
D602	8-719-941-09	s DIODE DAP202U
D603	8-719-941-86	s DIODE DAN202U
D604	8-719-941-09	s DIODE DAP202U
D651	8-719-941-23	s DIODE DA204U
D701	8-719-941-86	s DIODE DAN202U
D702	8-719-941-23	s DIODE DA204U
D751	8-719-941-23	s DIODE DA204U
D752	8-719-200-77	s DIODE 10E2N
D753	8-719-941-23	s DIODE DA204U
D871	8-719-021-25	s DIODE UZM4.7X
D902	8-719-941-09	s DIODE DAP202U
D903	8-719-941-09	s DIODE DAP202U
D904	8-719-941-09	s DIODE DAP202U
D905	8-719-941-09	s DIODE DAP202U
#D910	8-719-123-85	s DIODE 1SS304

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(AU-142 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
#D911	8-719-123-85	s DIODE 1SS304
FL201	1-236-171-11	s FILTER, LOW-PASS
FL601	1-236-003-11	s FILTER, LOW-PASS
FL602	1-236-012-11	s FILTER, BANDPASS 310KHz
FL652	1-236-013-11	s FILTER, BANDPASS 540KHz
FL701	1-239-062-11	s FILTER, LOW-PASS
FL702	1-236-015-11	s FILTER, BANDPASS 540KHz
#IC101	8-759-209-57	s IC TC4S69F
#IC102	8-759-209-57	s IC TC4S69F
IC201	8-759-906-54	s IC TL064CNS
IC202	8-759-300-71	s IC HD14053BFP
IC203	8-741-164-50	s IC SBX1645-01
IC301	8-759-745-64	s IC NJM4560M
IC302	8-759-011-65	s IC MC74HC4053F
IC303	8-759-234-77	s IC TC4S66F
IC351	8-759-745-64	s IC NJM4560M
IC352	8-759-011-65	s IC MC74HC4053F
IC353	8-759-234-77	s IC TC4S66F
IC401	8-759-981-54	s IC RC2041MD
IC402	8-759-906-53	s IC TL062CPS
IC403	8-759-906-54	s IC TL064CNS
IC501	8-759-068-02	s IC UPD75006GB-577-3B4
IC502	8-759-925-90	s IC SN74HC74NS
#IC503	8-759-542-91	s IC S-80840ANuP-ED4
IC601	8-759-300-71	s IC HD14053BFP
IC602	8-752-009-90	s IC CX20099
IC603	8-759-403-92	s IC AN6391NS
IC604	8-759-906-54	s IC TL064CNS
IC605	8-759-983-69	s IC LM358PS
IC653	8-759-403-92	s IC AN6391NS
IC701	8-752-050-00	s IC CX20111
IC702	8-759-906-53	s IC TL062CPS
IC751	8-759-983-95	s IC TL592BPS
IC801	8-759-981-54	s IC RC2041MD
IC802	8-759-745-64	s IC NJM4560M
IC851	8-759-234-08	s IC TA78L05F
IC852	8-759-234-08	s IC TA78L05F
IC853	8-759-983-69	s IC LM358PS
IC901	8-759-983-74	s IC LM324NS
IC902	8-759-925-72	s IC SN74HC02NS
IC903	8-759-925-76	s IC SN74HC08NS
L601	1-410-941-21	s INDUCTOR, CHIP 560UH
L602	1-412-282-41	s INDUCTOR, CHIP 470UH
L603	1-410-064-11	s INDUCTOR 2.7mH
L651	1-410-941-21	s INDUCTOR, CHIP 560UH
L652	1-412-282-41	s INDUCTOR, CHIP 470UH
L653	1-410-064-11	s INDUCTOR 2.7mH
LV301	1-410-854-21	s COIL, VAR 18mH
LV351	1-410-854-21	s COIL, VAR 18mH
LV401	1-407-298-00	s INDUCTOR, VAR 4.5mH
LV402	1-410-853-21	s COIL, VAR 4.5uH
LV451	1-407-298-00	s INDUCTOR, VAR 4.5mH
LV452	1-410-853-21	s COIL, VAR 4.5uH
LV901	1-460-154-11	s COIL, VAR 620UH
LV902	1-460-154-11	s COIL, VAR 620UH
Q201	8-729-209-07	s TRANSISTOR 2SC4213-B

NOTE1: Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(AU-142 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q202	8-729-905-12	s TRANSISTOR DTA144EU
Q203	8-729-905-12	s TRANSISTOR DTA144EU
Q251	8-729-209-07	s TRANSISTOR 2SC4213-B
Q252	8-729-905-12	s TRANSISTOR DTA144EU
Q253	8-729-905-12	s TRANSISTOR DTA144EU
Q301	8-729-209-07	s TRANSISTOR 2SC4213-B
Q302	8-729-209-07	s TRANSISTOR 2SC4213-B
Q304	8-729-209-07	s TRANSISTOR 2SC4213-B
Q354	8-729-209-07	s TRANSISTOR 2SC4213-B
Q401	8-729-209-07	s TRANSISTOR 2SC4213-B
Q402	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q404	8-729-209-07	s TRANSISTOR 2SC4213-B
Q405	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q406	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q407	8-729-209-07	s TRANSISTOR 2SC4213-B
Q411	8-729-905-12	s TRANSISTOR DTA144EU
Q412	8-729-905-18	s TRANSISTOR DTC144EU
Q413	8-729-905-12	s TRANSISTOR DTA144EU
Q414	8-729-905-18	s TRANSISTOR DTC144EU
Q451	8-729-209-07	s TRANSISTOR 2SC4213-B
Q452	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q454	8-729-209-07	s TRANSISTOR 2SC4213-B
Q455	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q456	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q457	8-729-209-07	s TRANSISTOR 2SC4213-B
Q501	8-729-905-12	s TRANSISTOR DTA144EU
Q502	8-729-905-12	s TRANSISTOR DTA144EU
Q503	8-729-905-12	s TRANSISTOR DTA144EU
Q504	8-729-905-12	s TRANSISTOR DTA144EU
Q505	8-729-905-12	s TRANSISTOR DTA144EU
Q506	8-729-905-12	s TRANSISTOR DTA144EU
Q507	8-729-905-12	s TRANSISTOR DTA144EU
Q508	8-729-905-12	s TRANSISTOR DTA144EU
Q509	8-729-905-12	s TRANSISTOR DTA144EU
Q510	8-729-905-12	s TRANSISTOR DTA144EU
Q511	8-729-905-12	s TRANSISTOR DTA144EU
Q512	8-729-905-12	s TRANSISTOR DTA144EU
Q513	8-729-905-12	s TRANSISTOR DTA144EU
Q514	8-729-905-12	s TRANSISTOR DTA144EU
Q516	8-729-905-18	s TRANSISTOR DTC144EU
Q551	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q571	8-729-905-12	s TRANSISTOR DTA144EU
Q572	8-729-905-18	s TRANSISTOR DTC144EU
Q601	8-729-209-07	s TRANSISTOR 2SC4213-B
Q602	8-729-905-12	s TRANSISTOR DTA144EU
Q603	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q604	8-729-905-18	s TRANSISTOR DTC144EU
Q605	8-729-905-18	s TRANSISTOR DTC144EU
Q651	8-729-209-07	s TRANSISTOR 2SC4213-B
Q701	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q702	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q704	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q705	8-729-905-12	s TRANSISTOR DTA144EU
Q706	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q707	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q751	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q754	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q755	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q756	8-729-117-31	s TRANSISTOR 2SC4177-L5

NOTE2: For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(AU-142 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q757	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q758	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q781	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q801	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q805	8-729-905-12	s TRANSISTOR DTA144EU
Q871	8-729-807-50	s TRANSISTOR 2SD1623-R
Q875	8-729-101-07	s TRANSISTOR 2SB798
Q876	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q879	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q880	8-729-807-50	s TRANSISTOR 2SD1623-R
Q881	8-729-905-18	s TRANSISTOR DTC144EU
Q903	8-729-143-63	s TRANSISTOR 2SJ132
Q904	8-729-143-63	s TRANSISTOR 2SJ132
Q905	8-729-143-63	s TRANSISTOR 2SJ132
Q906	8-729-143-63	s TRANSISTOR 2SJ132
Q907	8-729-209-07	s TRANSISTOR 2SC4213-B
Q908	8-729-212-02	s TRANSISTOR 2SC2120-Y
Q909	8-729-212-02	s TRANSISTOR 2SC2120-Y
Q910	8-729-212-02	s TRANSISTOR 2SC2120-Y
Q911	8-729-212-02	s TRANSISTOR 2SC2120-Y
Q912	8-729-141-75	s TRANSISTOR 2SD596DV345
Q913	8-729-141-75	s TRANSISTOR 2SD596DV345
Q916	8-729-209-07	s TRANSISTOR 2SC4213-B
Q919	8-729-209-07	s TRANSISTOR 2SC4213-B
Q920	8-729-209-07	s TRANSISTOR 2SC4213-B
Q921	8-729-209-07	s TRANSISTOR 2SC4213-B
Q922	8-729-209-07	s TRANSISTOR 2SC4213-B
Q925	8-729-143-63	s TRANSISTOR 2SJ132
Q926	8-729-209-07	s TRANSISTOR 2SC4213-B
Q927	8-729-141-75	s TRANSISTOR 2SD596DV345
Q928	8-729-141-75	s TRANSISTOR 2SD596DV345
Q929	8-729-209-07	s TRANSISTOR 2SC4213-B
#R102	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R212	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R213	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R262	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R263	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R410	1-216-811-11	s METAL, CHIP 150 5% 1/16W
R460	1-216-811-11	s METAL, CHIP 150 5% 1/16W
R624	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
#R625	1-218-736-11	s METAL, CHIP 68K 0.50% 1/16W
R631	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R640	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R641	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R642	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R648	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R673	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
#R675	1-218-736-11	s METAL, CHIP 68K 0.50% 1/16W
R679	1-218-290-11	s METAL, CHIP 6.2K 5% 1/16W
R681	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R690	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R698	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R751	1-218-345-11	s METAL, CHIP 9.1K 5% 1/16W
R757	1-218-345-11	s METAL, CHIP 9.1K 5% 1/16W
R931	1-249-480-11	s CARBON 3.3 5% 1/2W
R932	1-249-480-11	s CARBON 3.3 5% 1/2W
R980	1-247-727-11	s CARBON 10 5% 1/2W
R985	1-247-727-11	s CARBON 10 5% 1/2W

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(AU-142 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV301	1-237-037-11	s RES, ADJ METAL 20K
RV302	1-237-037-11	s RES, ADJ METAL 20K
RV303	1-237-036-11	s RES, ADJ METAL 10K
RV304	1-237-036-11	s RES, ADJ METAL 10K
RV305	1-237-037-11	s RES, ADJ METAL 20K
RV306	1-237-037-11	s RES, ADJ METAL 20K
RV353	1-237-036-11	s RES, ADJ METAL 10K
RV354	1-237-036-11	s RES, ADJ METAL 10K
RV355	1-237-037-11	s RES, ADJ METAL 20K
RV356	1-237-037-11	s RES, ADJ METAL 20K
RV402	1-237-035-11	s RES, ADJ METAL 5K
RV403	1-237-035-11	s RES, ADJ METAL 5K
RV404	1-237-041-11	s RES, ADJ METAL 500K
RV405	1-237-037-11	s RES, ADJ METAL 20K
RV406	1-237-035-11	s RES, ADJ METAL 5K
RV407	1-237-035-11	s RES, ADJ METAL 5K
RV452	1-237-035-11	s RES, ADJ METAL 5K
RV453	1-237-035-11	s RES, ADJ METAL 5K
RV454	1-237-041-11	s RES, ADJ METAL 500K
RV455	1-237-037-11	s RES, ADJ METAL 20K
RV456	1-237-035-11	s RES, ADJ METAL 5K
RV551	1-228-459-00	s RES, ADJ METAL 10K
RV601	1-237-037-11	s RES, ADJ METAL 20K
RV602	1-237-035-11	s RES, ADJ METAL 5K
RV603	1-237-038-11	s RES, ADJ METAL 50K
RV604	1-237-033-11	s RES, ADJ METAL 1K
RV605	1-237-036-11	s RES, ADJ METAL 10K
RV651	1-237-037-11	s RES, ADJ METAL 20K
RV653	1-237-038-11	s RES, ADJ METAL 50K
RV654	1-237-033-11	s RES, ADJ METAL 1K
RV655	1-237-036-11	s RES, ADJ METAL 10K
RV701	1-237-035-11	s RES, ADJ METAL 5K
RV702	1-237-034-11	s RES, ADJ METAL 2K
RV801	1-237-036-11	s RES, ADJ METAL 10K
RV851	1-237-036-11	s RES, ADJ METAL 10K
RV901	1-237-039-11	s RES, ADJ METAL 100K
RV902	1-237-039-11	s RES, ADJ METAL 100K
RV903	1-237-039-11	s RES, ADJ METAL 100K
RV904	1-237-039-11	s RES, ADJ METAL 100K
RV905	1-237-039-11	s RES, ADJ METAL 100K
RV906	1-237-039-11	s RES, ADJ METAL 100K
RV907	1-237-039-11	s RES, ADJ METAL 100K
S201	1-553-906-00	s SWITCH, SLIDE
S202	1-553-906-00	s SWITCH, SLIDE
T901	1-424-511-11	s TRANSFORMER, FE
T902	1-424-511-11	s TRANSFORMER, FE
T903	1-433-326-11	s TRANSFORMER, BIAS OSCILLATION
T904	1-433-326-11	s TRANSFORMER, BIAS OSCILLATION
T905	1-433-326-11	s TRANSFORMER, BIAS OSCILLATION
T906	1-433-326-11	s TRANSFORMER, BIAS OSCILLATION
X501	1-567-160-21	s RESONATOR, CERAMIC 4.19MHz

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

BC-23 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-699-12	o PRINTED CIRCUIT BOARD, BC-23

CC-47 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6727-319-A	o MOUNTED CIRCUIT BOARD, CC-47
C1	1-135-212-21	s TANTALUM, CHIP 2.2uF 10% 35V
C3	1-135-212-21	s TANTALUM, CHIP 2.2uF 10% 35V
C7	1-127-515-11	s ALUMN SOLID 47uF 20% 10V
C23	1-135-212-21	s TANTALUM, CHIP 2.2uF 10% 35V
CN1	1-506-494-11	s CONNECTOR 15P, MALE
CN2	1-506-488-11	s CONNECTOR 9P, MALE
CN3	1-564-877-21	s CONNECTOR 15P, MALE
CN4	1-566-766-11	o CONNECTOR 11P, MALE
CN5	1-566-766-11	o CONNECTOR 11P, MALE
CN6	1-566-761-11	o CONNECTOR 6P, MALE
CN7	1-566-759-11	o CONNECTOR 4P, MALE
CN8	1-566-759-11	o CONNECTOR 4P, MALE
D1	8-719-941-04	s DIODE SB007-03CP
D2	8-719-941-04	s DIODE SB007-03CP
D3	8-719-941-09	s DIODE DAP202U
D4	8-719-941-09	s DIODE DAP202U
D5	8-719-941-09	s DIODE DAP202U
D6	8-719-941-04	s DIODE SB007-03CP
D7	8-719-941-04	s DIODE SB007-03CP
FB1	1-543-309-21	s BEAD, FERRITE
FB2	1-543-309-21	s BEAD, FERRITE
IC1	8-759-710-82	s IC NJM2406F
IC2	8-759-710-82	s IC NJM2406F
IC3	8-759-234-20	s IC TC7S08F
IC4	8-759-035-93	s IC TC7S32F-TE85L
IC5	8-759-234-77	s IC TC4S66F
IC6	8-759-030-16	s IC MC34182M
IC7	8-759-710-82	s IC NJM2406F
Q1	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q2	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q3	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q4	8-729-905-12	s TRANSISTOR DTA144EU
Q5	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q6	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q8	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q9	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q10	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q11	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q12	8-729-905-12	s TRANSISTOR DTA144EU
R1	1-216-625-11	s METAL, CHIP 82 0.5% 1/10W
R2	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R3	1-216-625-11	s METAL, CHIP 82 0.5% 1/10W
R4	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R5	1-216-295-00	s METAL, CHIP 0
R6	1-216-295-00	s METAL, CHIP 0
R7	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R8	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R17	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R18	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R46	1-218-344-11	s METAL, CHIP 7.5K 0.50% 1/16W
R49	1-218-344-11	s METAL, CHIP 7.5K 0.50% 1/16W
R53	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
S1	1-570-845-11	s SWITCH, SLIDE
S2	1-570-863-11	s SWITCH, SLIDE

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(CC-47 BOARD)

Ref. No.
or Q'ty Part No. SP Description
S3 1-571-275-31 s SWITCH, SLIDE

CON-18 BOARD

Ref. No.
or Q'ty Part No. SP Description
1pc A-6754-268-A o MOUNTED CIRCUIT BOARD, CON-18
CN431 1-566-760-11 s CONNECTOR, ZR 5P, MALE

CP-164 BOARD

Ref. No.
or Q'ty Part No. SP Description
This board is used for UC model.
1pc A-6713-423-A o MOUNTED CIRCUIT BOARD, CP-164

C102 1-164-357-11 s CERAMIC, CHIP 1000PF 5% 50V
C202 1-164-357-11 s CERAMIC, CHIP 1000PF 5% 50V
C205 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V
C206 1-164-357-11 s CERAMIC, CHIP 1000PF 5% 50V
C207 1-135-213-21 s TANTALUM, CHIP 3.3uF 20% 25V

C301 1-164-357-11 s CERAMIC, CHIP 1000PF 5% 50V
C401 1-164-357-11 s CERAMIC, CHIP 1000PF 5% 50V
C604 1-126-176-11 s ELECT 220uF 20% 10V
C605 1-126-176-11 s ELECT 220uF 20% 10V
C704 1-126-176-11 s ELECT 220uF 20% 10V

C705 1-126-176-11 s ELECT 220uF 20% 10V
C771 1-126-101-11 s ELECT 100uF 20% 16V
C772 1-126-101-11 s ELECT 100uF 20% 16V
C804 1-126-176-11 s ELECT 220uF 20% 10V
C805 1-126-176-11 s ELECT 220uF 20% 10V

C904 1-126-176-11 s ELECT 220uF 20% 10V
C905 1-126-176-11 s ELECT 220uF 20% 10V
#C1003 1-164-218-11 s CERAMIC, CHIP 180PF 5% 50V
C2001 1-127-513-00 s ALUMN SOLID 15uF 20% 25V
C2003 1-127-513-00 s ALUMN SOLID 15uF 20% 25V

CN401 1-580-716-11 o CONNECTOR 13P, MALE
CN404 1-565-875-11 o CONNECTOR 3P, MALE
CN405 1-565-875-11 o CONNECTOR 3P, MALE
CN406 1-565-875-11 o CONNECTOR 3P, MALE
CN407 1-565-875-11 o CONNECTOR 3P, MALE

CN408 1-506-482-11 s CONNECTOR 3P, MALE
CN409 1-566-759-11 o CONNECTOR 4P, MALE
CN410 1-566-767-11 o CONNECTOR 12P, MALE
CN411 1-566-759-11 o CONNECTOR 4P, MALE
CN412 1-565-875-11 o CONNECTOR 3P, MALE

CN413 1-565-875-11 o CONNECTOR 3P, MALE
CN415 1-565-880-11 s CONNECTOR 8P, MALE
CN416 1-565-875-11 o CONNECTOR 3P, MALE
CN417 1-565-875-11 o CONNECTOR 3P, MALE
CN1009 1-537-142-11 s TERMINAL

D101 8-719-941-23 s DIODE DA204U
D102 8-719-941-23 s DIODE DA204U
D201 8-719-941-23 s DIODE DA204U
D202 8-719-941-23 s DIODE DA204U
D301 8-719-941-23 s DIODE DA204U

D302 8-719-941-23 s DIODE DA204U
D401 8-719-941-23 s DIODE DA204U
D402 8-719-941-23 s DIODE DA204U
D601 8-719-941-86 s DIODE DAN202U
D602 8-719-941-86 s DIODE DAN202U

D801 8-719-941-86 s DIODE DAN202U
D802 8-719-941-86 s DIODE DAN202U

IC101 8-759-981-54 s IC RC2041MD
IC102 8-759-981-54 s IC RC2041MD
IC201 8-759-981-54 s IC RC2041MD
IC203 8-759-981-54 s IC RC2041MD
IC301 8-759-981-54 s IC RC2041MD

IC302 8-759-981-54 s IC RC2041MD
IC401 8-759-981-54 s IC RC2041MD
IC551 8-759-745-64 s IC NJM4560M
IC568 8-759-512-09 s IC NJM386BM

NOTE : Please see page 13-30 through 13-32 for the parts
that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to
"Section 14 Changed Parts".

(CP-164 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC569	8-759-512-09	s IC NJM386BM
IC601	8-759-982-04	s IC RC5532M
IC651	8-759-300-71	s IC HD14053BFP
IC652	8-759-906-53	s IC TL062CPS
IC655	8-759-937-54	s IC S-81250HG-RD-S
IC656	8-759-633-55	s IC M5222FP
IC657	8-759-633-55	s IC M5222FP
IC658	8-759-701-36	s IC NJM3403AM
IC701	8-759-982-04	s IC RC5532M
IC801	8-759-700-96	s IC NJM5534M
IC802	8-759-700-96	s IC NJM5534M
IC901	8-759-700-96	s IC NJM5534M
IC902	8-759-700-96	s IC NJM5534M
L101	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L102	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L201	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L202	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L203	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L204	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L301	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L302	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L401	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L402	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L1001	1-410-371-41	s INDUCTOR, CHIP 1.5UH
Q101	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q401	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q402	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q601	8-729-209-07	s TRANSISTOR 2SC4213-B
Q602	8-729-209-07	s TRANSISTOR 2SC4213-B
Q701	8-729-209-07	s TRANSISTOR 2SC4213-B
Q702	8-729-209-07	s TRANSISTOR 2SC4213-B
Q753	8-729-209-07	s TRANSISTOR 2SC4213-B
Q754	8-729-209-07	s TRANSISTOR 2SC4213-B
Q801	8-729-209-07	s TRANSISTOR 2SC4213-B
Q802	8-729-209-07	s TRANSISTOR 2SC4213-B
Q901	8-729-209-07	s TRANSISTOR 2SC4213-B
Q902	8-729-209-07	s TRANSISTOR 2SC4213-B
Q1001	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1002	8-729-101-07	s TRANSISTOR 2SB798
Q2001	8-729-807-50	s TRANSISTOR 2SD1623-R
R102	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R103	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R104	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R105	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R202	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R203	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R204	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R205	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R301	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R302	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R303	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R305	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R401	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R402	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R403	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R405	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R603	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(CP-164 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R604	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R605	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R606	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R607	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R608	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R609	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R611	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R612	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R703	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R704	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R705	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R706	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R707	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R708	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R709	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R711	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R712	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R758	1-216-993-11	s METAL, CHIP 2.4K 5% 1/16W
R765	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R766	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R782	1-216-993-11	s METAL, CHIP 2.4K 5% 1/16W
R783	1-218-725-11	s METAL, CHIP 24K 0.50% 1/16W
R803	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R804	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R805	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R806	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R807	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R808	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R809	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R811	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R812	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R903	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R904	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R905	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R906	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R907	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R908	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R909	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R911	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R912	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
RV751	1-237-036-11	s RES, ADJ METAL 10K
RV752	1-237-036-11	s RES, ADJ METAL 10K
S401	1-570-863-11	s SWITCH, SLIDE
S402	1-570-863-11	s SWITCH, SLIDE
S403	1-570-863-11	s SWITCH, SLIDE
S404	1-570-853-11	s SWITCH, SLIDE
S405	1-570-863-11	s SWITCH, SLIDE
S406	1-570-863-11	s SWITCH, SLIDE
S407	1-570-863-11	s SWITCH, SLIDE
S408	1-570-863-11	s SWITCH, SLIDE
S409	1-570-835-11	s SWITCH, SLIDE
S410	1-570-845-11	s SWITCH, SLIDE
S411	1-570-845-11	s SWITCH, SLIDE
S412	1-570-863-11	s SWITCH, SLIDE
S413	1-570-863-11	s SWITCH, SLIDE
S414	1-570-863-11	s SWITCH, SLIDE
S415	1-570-863-11	s SWITCH, SLIDE
S416	1-571-217-11	s SWITCH, SLIDE

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(CP-164 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S417	1-571-217-11	s SWITCH, SLIDE
S418	1-571-217-11	s SWITCH, SLIDE
S419	1-571-217-11	s SWITCH, SLIDE
S420	1-571-087-11	s SWITCH, SLIDE
S421	1-571-087-11	s SWITCH, SLIDE
S422	1-571-087-11	s SWITCH, SLIDE
S423	1-571-087-11	s SWITCH, SLIDE
S424	1-570-835-11	s SWITCH, SLIDE

CP-164J BOARD

Ref. No. or Q'ty	Part No.	SP Description
---------------------	----------	----------------

This board is used for J model.

1pc A-6713-424-A o MOUNTED CIRCUIT BOARD, CP-164J

C102	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C202	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C205	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C206	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C207	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V

C301	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C401	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C604	1-126-176-11	s ELECT 220uF 20% 10V
C605	1-126-176-11	s ELECT 220uF 20% 10V
C704	1-126-176-11	s ELECT 220uF 20% 10V

C705	1-126-176-11	s ELECT 220uF 20% 10V
C771	1-126-101-11	s ELECT 100uF 20% 16V
C772	1-126-101-11	s ELECT 100uF 20% 16V
C804	1-126-176-11	s ELECT 220uF 20% 10V
C805	1-126-176-11	s ELECT 220uF 20% 10V

C904	1-126-176-11	s ELECT 220uF 20% 10V
C905	1-126-176-11	s ELECT 220uF 20% 10V
#C1003	1-164-218-11	s CERAMIC, CHIP 180PF 5% 50V
C2001	1-127-513-00	s ALUMN SOLID 15uF 20% 25V
C2003	1-127-513-00	s ALUMN SOLID 15uF 20% 25V

CN401	1-580-716-11	o CONNECTOR 13P, MALE
CN404	1-565-875-11	o CONNECTOR 3P, MALE
CN405	1-565-875-11	o CONNECTOR 3P, MALE
CN406	1-565-875-11	o CONNECTOR 3P, MALE
CN407	1-565-875-11	o CONNECTOR 3P, MALE

CN408	1-506-482-11	s CONNECTOR 3P, MALE
CN409	1-566-759-11	o CONNECTOR 4P, MALE
CN410	1-566-767-11	o CONNECTOR 12P, MALE
CN411	1-566-759-11	o CONNECTOR 4P, MALE
CN412	1-565-875-11	o CONNECTOR 3P, MALE

CN413	1-565-875-11	o CONNECTOR 3P, MALE
CN415	1-565-880-11	s CONNECTOR 8P, MALE
CN416	1-565-875-11	o CONNECTOR 3P, MALE
CN417	1-565-875-11	o CONNECTOR 3P, MALE
CN1009	1-537-142-11	s TERMINAL

D101	8-719-941-23	s DIODE DA204U
D102	8-719-941-23	s DIODE DA204U
D201	8-719-941-23	s DIODE DA204U
D202	8-719-941-23	s DIODE DA204U
D301	8-719-941-23	s DIODE DA204U

D302	8-719-941-23	s DIODE DA204U
D401	8-719-941-23	s DIODE DA204U
D402	8-719-941-23	s DIODE DA204U
D601	8-719-941-86	s DIODE DAN202U
D602	8-719-941-86	s DIODE DAN202U

D801	8-719-941-86	s DIODE DAN202U
D802	8-719-941-86	s DIODE DAN202U

IC101	8-759-981-54	s IC RC2041MD
IC102	8-759-981-54	s IC RC2041MD
IC201	8-759-981-54	s IC RC2041MD
IC203	8-759-981-54	s IC RC2041MD
IC301	8-759-981-54	s IC RC2041MD

IC302	8-759-981-54	s IC RC2041MD
IC401	8-759-981-54	s IC RC2041MD
IC551	8-759-745-64	s IC NJM4560M
IC568	8-759-512-09	s IC NJM386BM

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(CP-164J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC569	8-759-512-09	s IC NJM386BM
IC601	8-759-982-04	s IC RC5532M
IC651	8-759-300-71	s IC HD14053BFP
IC652	8-759-906-53	s IC TL062CPS
IC655	8-759-937-54	s IC S-81250HG-RD-S
IC656	8-759-633-55	s IC M5222FP
IC657	8-759-633-55	s IC M5222FP
IC658	8-759-701-36	s IC NJM3403AM
IC701	8-759-982-04	s IC RC5532M
IC801	8-759-700-96	s IC NJM5534M
IC802	8-759-700-96	s IC NJM5534M
IC901	8-759-700-96	s IC NJM5534M
IC902	8-759-700-96	s IC NJM5534M
L101	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L102	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L201	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L202	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L203	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L204	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L301	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L302	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L401	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L402	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L1001	1-410-371-41	s INDUCTOR, CHIP 1.5uH
Q401	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q402	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q601	8-729-209-07	s TRANSISTOR 2SC4213-B
Q602	8-729-209-07	s TRANSISTOR 2SC4213-B
Q701	8-729-209-07	s TRANSISTOR 2SC4213-B
Q702	8-729-209-07	s TRANSISTOR 2SC4213-B
Q753	8-729-209-07	s TRANSISTOR 2SC4213-B
Q754	8-729-209-07	s TRANSISTOR 2SC4213-B
Q801	8-729-209-07	s TRANSISTOR 2SC4213-B
Q802	8-729-209-07	s TRANSISTOR 2SC4213-B
Q901	8-729-209-07	s TRANSISTOR 2SC4213-B
Q902	8-729-209-07	s TRANSISTOR 2SC4213-B
Q1001	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q1002	8-729-101-07	s TRANSISTOR 2SB798
Q2001	8-729-807-50	s TRANSISTOR 2SD1623-R
R102	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R103	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R104	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R105	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R202	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R203	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R204	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R205	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R301	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R302	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R303	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R305	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R401	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R402	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R403	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R405	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R603	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R604	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R605	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(CP-164J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R606	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R607	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R608	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R609	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R611	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R612	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R703	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R704	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R705	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R706	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R707	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R708	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R709	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R711	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R712	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R758	1-216-993-11	s METAL, CHIP 2.4K 5% 1/16W
R765	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R766	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R782	1-216-993-11	s METAL, CHIP 2.4K 5% 1/16W
R783	1-218-725-11	s METAL, CHIP 24K 0.50% 1/16W
R803	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R804	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R805	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R806	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R807	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R808	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R809	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R811	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R812	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R903	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R904	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R905	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R906	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R907	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R908	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R909	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R911	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R912	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
RV751	1-237-036-11	s RES, ADJ METAL 10K
RV752	1-237-036-11	s RES, ADJ METAL 10K
S401	1-570-863-11	s SWITCH, SLIDE
S402	1-570-863-11	s SWITCH, SLIDE
S403	1-570-863-11	s SWITCH, SLIDE
S404	1-570-853-11	s SWITCH, SLIDE
S405	1-570-863-11	s SWITCH, SLIDE
S406	1-570-863-11	s SWITCH, SLIDE
S407	1-570-863-11	s SWITCH, SLIDE
S408	1-570-863-11	s SWITCH, SLIDE
S409	1-570-835-11	s SWITCH, SLIDE
S410	1-570-845-11	s SWITCH, SLIDE
S411	1-570-845-11	s SWITCH, SLIDE
S416	1-571-217-11	s SWITCH, SLIDE
S417	1-571-217-11	s SWITCH, SLIDE
S418	1-571-217-11	s SWITCH, SLIDE
S419	1-571-217-11	s SWITCH, SLIDE
S420	1-571-087-11	s SWITCH, SLIDE
S421	1-571-087-11	s SWITCH, SLIDE
S422	1-571-087-11	s SWITCH, SLIDE

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(CP-164J BOARD)

Ref. No. or Q'ty	Part No.	SP Description
S423	1-571-087-11	s SWITCH, SLIDE
S424	1-570-835-11	s SWITCH, SLIDE

CS-25 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-701-12	o PRINTED CIRCUIT BOARD, CS-25
CN1	1-506-482-11	s CONNECTOR 3P, MALE
PD3	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R4	1-249-415-11	s CARBON 680 5% 1/4W
R5	1-249-437-11	s CARBON 47K 5% 1/4W

CS-26 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-564-831-11	o CONTACT, FEMALE
1pc	1-569-193-11	o CONTACT, FEMALE
1pc	1-638-702-11	o PRINTED CIRCUIT BOARD, CS-26
CN2	1-506-482-11	s CONNECTOR 3P, MALE
CN957	1-569-200-21	o HOUSING 7P
PD1	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
PD2	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R1	1-249-413-11	s CARBON 470 5% 1/4W
R2	1-249-437-11	s CARBON 47K 5% 1/4W
R3	1-249-437-11	s CARBON 47K 5% 1/4W

DC-52 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6754-270-A	o MOUNTED CIRCUIT BOARD, DC-52

DET-15 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-705-11	o PRINTED CIRCUIT BOARD, DET-15
CN1	1-506-482-11	s CONNECTOR 3P, MALE
PD1	8-719-939-05	s PHOTOINTERRUPTER GP-1S54
R1	1-249-409-11	s CARBON 220 5% 1/4W
R2	1-249-425-11	s CARBON 4.7K 5% 1/4W

DR-63 BOARD

Ref. No. or Q'ty	Part No.	SP Description
All of the component parts on the DR-63 Board are supplied together with when you order Drum Motor Ass'y.		

C1	1-161-021-11	s CERAMIC 0.047uF 10% 25V
C2	1-161-021-11	s CERAMIC 0.047uF 10% 25V
C3	1-161-039-00	s CERAMIC 0.001uF 10% 50V

DUS-339 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6754-269-A	o MOUNTED CIRCUIT BOARD, DUS-339
CN432	1-566-759-11	o CONNECTOR 4P, MALE
Q1	8-729-209-07	s TRANSISTOR 2SC4213-B
Q2	8-729-209-07	s TRANSISTOR 2SC4213-B
Q3	8-729-209-07	s TRANSISTOR 2SC4213-B
Q4	8-729-209-07	s TRANSISTOR 2SC4213-B

FE-11 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-638-696-13	o PRINTED CIRCUIT BOARD, FE-11
C1	1-136-562-11	s FILM 0.0082uF 5% 630V
Q1	8-729-141-75	s TRANSISTOR 2SD596DV345
Q2	8-729-141-75	s TRANSISTOR 2SD596DV345
R1	1-249-385-11	s CARBON 2.2 5% 1/4W
T1	1-424-511-11	s TRANSFORMER, FE

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

FU-52 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6754-271-B	o MOUNTED CIRCUIT BOARD, FU-52
C1	1-127-519-11	s ALUMN SOLID 100uF 20% 20V
CN441	1-535-894-11	o TAB, FASTON
CN442	1-535-894-11	o TAB, FASTON
CN443	1-506-469-11	s CONNECTOR 4P, MALE
CN444	1-506-469-11	s CONNECTOR 4P, MALE
F1	1-533-189-11	s HOLDER, FUSE
F2	1-533-189-11	s HOLDER, FUSE
F3	1-533-189-11	s HOLDER, FUSE
F4	1-533-189-11	s HOLDER, FUSE
Q1	8-729-209-07	s TRANSISTOR 2SC4213-B
Q2	8-729-101-07	s TRANSISTOR 2SB798

KY-207 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6717-611-A	o MOUNTED CIRCUIT BOARD, KY-207
1pc	3-169-546-02	o HOLDER, LCD
8pcs	4-937-336-62	o HOLDER, LED
C104	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
CN501	1-506-473-11	s CONNECTOR 8P, MALE
CN502	1-506-472-11	o CONNECTOR 7P, MALE
CN503	1-506-472-11	o CONNECTOR 7P, MALE
CN504	1-506-471-11	s CONNECTOR 6P, MALE
CN505	1-506-468-11	s CONNECTOR 3P, MALE
CN506	1-506-468-11	s CONNECTOR 3P, MALE
CN507	1-506-468-11	s CONNECTOR 3P, MALE
CN508	1-506-468-11	s CONNECTOR 3P, MALE
CN509	1-506-468-11	s CONNECTOR 3P, MALE
D101	8-719-070-26	s LED SLR-342YC3F, YEL
D102	8-719-070-26	s LED SLR-342YC3F, YEL
D104	8-719-070-26	s LED SLR-342YC3F, YEL
D105	8-719-070-26	s LED SLR-342YC3F, YEL
D106	8-719-070-26	s LED SLR-342YC3F, YEL
D107	8-719-070-26	s LED SLR-342YC3F, YEL
D109	8-719-070-26	s LED SLR-342YC3F, YEL
D110	8-719-070-26	s LED SLR-342YC3F, YEL
#D111	8-719-914-42	s DIODE DA204K
#D112	8-719-036-65	s DIODE RD2.0SB-T1
D113	8-719-915-45	s LED SLP162B, RED
D114	8-719-915-45	s LED SLP162B, RED
D115	8-719-955-05	s LED BR5505S, RED
D116	8-719-902-27	s LED EBR3402S, RED
D117	8-719-915-45	s LED SLP162B, RED
D118	8-719-915-45	s LED SLP162B, RED
D119	8-719-902-27	s LED EBR3402S, RED
D120	8-719-902-27	s LED EBR3402S, RED
D121	8-719-915-45	s LED SLP162B, RED
D122	8-719-941-09	s DIODE DAP202U
D123	8-719-941-09	s DIODE DAP202U
D124	8-719-941-09	s DIODE DAP202U
D125	8-719-941-09	s DIODE DAP202U
D126	8-719-941-09	s DIODE DAP202U
D127	8-719-941-09	s DIODE DAP202U
D128	8-719-941-09	s DIODE DAP202U
D129	8-719-941-09	s DIODE DAP202U
D130	8-719-941-09	s DIODE DAP202U
D131	8-719-941-09	s DIODE DAP202U
D132	8-719-941-09	s DIODE DAP202U
D133	8-719-941-09	s DIODE DAP202U
D134	8-719-941-09	s DIODE DAP202U
D135	8-719-941-09	s DIODE DAP202U
D136	8-719-941-09	s DIODE DAP202U
D137	8-719-941-09	s DIODE DAP202U
D150	1-809-346-11	s LED, BACK LIGHT
D151	1-809-346-11	s LED, BACK LIGHT
D152	1-809-346-11	s LED, BACK LIGHT
D153	1-809-346-11	s LED, BACK LIGHT
D154	1-809-346-11	s LED, BACK LIGHT
D155	1-809-346-11	s LED, BACK LIGHT
D201	8-719-941-23	s DIODE DA204U
#D202	8-719-914-42	s DIODE DA204K
IC102	8-759-941-24	s IC MSM5265GS-K
IC105	8-759-932-10	s IC MB88306PF

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(KY-207 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC106	8-759-932-10	s	IC MB88306PF
IC201	8-759-745-64	s	IC NJM4560M
IC202	8-759-939-41	s	IC S-81230AG-RB
IC203	8-759-300-71	s	IC HD14053BFP
IC204	8-759-300-71	s	IC HD14053BFP
IC205	8-759-239-58	s	IC TC74HC221AF
IC206	8-759-983-74	s	IC LM324NS
ND101	1-809-345-11	s	UNIT, LCD
#Q101	8-729-101-47	s	TRANSISTOR 2SD1164-Z-L
Q201	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q202	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q203	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q204	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q205	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q206	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q207	8-729-905-18	s	TRANSISTOR DTC144EU
Q208	8-729-905-18	s	TRANSISTOR DTC144EU
Q209	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
R204	1-218-349-11	s	METAL, CHIP 240K 5% 1/16W
RV201	1-237-040-11	s	RES, ADJ METAL 200K
RV202	1-237-035-11	s	RES, ADJ METAL 5K
RV203	1-237-035-11	s	RES, ADJ METAL 5K
RV204	1-237-035-11	s	RES, ADJ METAL 5K
RV205	1-237-035-11	s	RES, ADJ METAL 5K
RV206	1-237-036-11	s	RES, ADJ METAL 10K
RV207	1-237-036-11	s	RES, ADJ METAL 10K
RV208	1-237-036-11	s	RES, ADJ METAL 10K
RV209	1-237-036-11	s	RES, ADJ METAL 10K
RV210	1-237-041-11	s	RES, ADJ METAL 500K
S101	1-570-851-11	s	SWITCH, SLIDE
S102	1-570-724-11	s	SWITCH, SLIDE
S103	1-570-854-11	s	SWITCH, SLIDE
S104	1-553-977-00	s	SWITCH, SLIDE
S105	1-572-725-11	s	SWITCH, PUSH
S106	1-572-725-11	s	SWITCH, PUSH
S107	1-572-725-11	s	SWITCH, PUSH
S108	1-554-377-21	s	SWITCH, SLIDE
S109	1-553-977-00	s	SWITCH, SLIDE
S110	1-570-337-11	s	SWITCH, DIGITAL
S111	1-570-337-11	s	SWITCH, DIGITAL
S112	1-572-725-11	s	SWITCH, PUSH
S113	1-572-725-11	s	SWITCH, PUSH
S114	1-570-724-11	s	SWITCH, SLIDE
S115	1-553-977-00	s	SWITCH, SLIDE
S116	1-572-725-11	s	SWITCH, PUSH
S117	1-572-725-11	s	SWITCH, PUSH
S118	1-572-725-11	s	SWITCH, PUSH
S119	1-572-725-11	s	SWITCH, PUSH
S120	1-553-977-00	s	SWITCH, SLIDE
S121	1-572-725-11	s	SWITCH, PUSH
S122	1-572-725-11	s	SWITCH, PUSH
S123	1-572-725-11	s	SWITCH, PUSH
S124	1-572-725-11	s	SWITCH, PUSH
S125	1-553-977-00	s	SWITCH, SLIDE
S201	1-570-859-11	s	SWITCH, SLIDE
S202	1-570-859-11	s	SWITCH, SLIDE
S203	1-572-725-11	s	SWITCH, PUSH

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

MB-335 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-6755-107-A	o	MOUNTED CIRCUIT BOARD, MB-335
C1	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C2	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C3	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
CN901	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN902	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN903	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN904	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN905	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN915	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN916	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN921	1-568-093-11	s	CONNECTOR, HINGE 20P, MALE
CN922	1-568-098-11	o	CONNECTOR, HINGE 30P, MALE
CN923	1-569-335-11	s	CONNECTOR, BB 9P, MALE
CN924	1-566-760-11	s	CONNECTOR, ZR 5P, MALE
CN925	1-566-761-11	o	CONNECTOR 6P, MALE
CN926	1-566-763-11	o	CONNECTOR 8P, MAEL
CN927	1-566-764-11	o	CONNECTOR 9P, MALE
CN928	1-580-716-11	o	CONNECTOR 13P, MALE
CN929	1-566-759-11	o	CONNECTOR 4P, MALE
CN930	1-566-758-11	o	CONNECTOR 3P, MALE
CN940	1-506-467-11	s	CONNECTOR 2P, MALE
CN941	1-506-468-11	s	CONNECTOR 3P, MALE
CN942	1-506-468-11	s	CONNECTOR 3P, MALE
CN943	1-506-467-11	s	CONNECTOR 2P, MALE
CN944	1-506-467-11	s	CONNECTOR 2P, MALE
CN945	1-506-468-11	s	CONNECTOR 3P, MALE
CN946	1-506-467-11	s	CONNECTOR 2P, MALE
CN947	1-566-764-11	o	CONNECTOR 9P, MALE
CN948	1-506-469-11	s	CONNECTOR 4P, MALE
CN949	1-506-472-11	o	CONNECTOR 7P, MALE
CN950	1-506-473-11	s	CONNECTOR 8P, MALE
CN951	1-506-467-11	s	CONNECTOR 2P, MALE
CN952	1-506-468-11	s	CONNECTOR 3P, MALE
CN953	1-506-468-11	s	CONNECTOR 3P, MALE
CN954	1-506-469-11	s	CONNECTOR 4P, MALE
CN955	1-506-468-11	s	CONNECTOR 3P, MALE
CN956	1-506-468-11	s	CONNECTOR 3P, MALE
CN957	1-506-472-11	o	CONNECTOR 7P, MALE
CN958	1-506-467-11	s	CONNECTOR 2P, MALE
CN959	1-506-467-11	s	CONNECTOR 2P, MALE
CN961	1-566-761-11	o	CONNECTOR 6P, MALE
CN962	1-566-762-11	o	CONNECTOR 7P, MALE
CN965	1-566-568-11	o	CONNECTOR 40P, FEMALE
CN970	1-506-469-11	s	CONNECTOR 4P, MALE
CN971	1-506-472-11	s	CONNECTOR 7P, MALE
CN1001	1-535-894-11	o	TAB, FASTON
CN1002	1-535-894-11	o	TAB, FASTON

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

PSW-12 BOARD

Ref. No.
or Q'ty Part No. SP Description

This board is used for UC model.

C101	1-124-478-11	s	ELECT 100uF 20% 25V
C102	1-124-563-11	s	ELECT 2200uF 20% 25V
C106	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C108	1-127-513-00	s	ALUMN SOLID 15uF 20% 25V
C109	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C110	1-124-762-00	s	ELECT 4700uF 20% 10V
C112	1-124-907-11	s	ELECT 10uF 20% 50V
C116	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C117	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C118	1-124-890-11	s	ELECT 6800uF 20% 6.3V
C120	1-124-443-00	s	ELECT 100uF 20% 10V
C126	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C128	1-124-762-00	s	ELECT 4700uF 20% 10V
C129	1-124-907-11	s	ELECT 10uF 20% 50V
C133	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C134	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C135	1-124-890-11	s	ELECT 6800uF 20% 6.3V
C137	1-126-233-11	s	ELECT 22uF 20% 50V
C142	1-124-914-51	s	ELECT 4.7uF 20% 63V
C143	1-124-914-51	s	ELECT 4.7uF 20% 63V
C144	1-164-357-11	s	CERAMIC, CHIP 1000PF 5% 50V
C149	1-127-513-00	s	ALUMN SOLID 15uF 20% 25V
C150	1-127-513-00	s	ALUMN SOLID 15uF 20% 25V
C161	1-164-361-11	s	CERAMIC, CHIP 0.047uF 16V
CN601	1-506-469-11	s	CONNECTOR 4P, MALE
CN602	1-535-894-11	o	TAB, FASTON
CN603	1-566-566-11	o	CONNECTOR 40P, MALE
D102	8-719-981-38	s	DIODE ERC62M-004
D103	8-719-941-09	s	DIODE DAP202U
D104	8-719-975-85	s	DIODE ERB83-004
D105	8-719-981-38	s	DIODE ERC62M-004
D106	8-719-975-85	s	DIODE ERB83-004
D107	8-719-975-85	s	DIODE ERB83-004
D108	8-719-901-83	s	DIODE 1SS83
F101	1-532-605-21	s	LINK, IC
IC101	8-759-927-99	s	IC MB3761PF
IC102	8-759-937-36	s	IC TL1451ACNS
IC103	8-759-937-36	s	IC TL1451ACNS
IC104	8-759-937-36	s	IC TL1451ACNS
L101	1-424-316-11	s	COIL, CHOKO 150UH
L102	1-424-517-11	s	COIL, CHOKO 200UH
L103	1-424-517-11	s	COIL, CHOKO 200UH
L104	1-424-517-11	s	COIL, CHOKO 200UH
L105	1-421-459-00	s	COIL, CHOKO
L106	1-421-459-00	s	COIL, CHOKO
L107	1-421-459-00	s	COIL, CHOKO
L108	1-421-459-00	s	COIL, CHOKO
L109	1-421-459-00	s	COIL, CHOKO
Q101	8-729-321-78	s	TRANSISTOR 2SJ176
Q102	8-729-321-78	s	TRANSISTOR 2SJ176
Q103	8-729-905-18	s	TRANSISTOR DTC144EU
Q104	8-729-905-12	s	TRANSISTOR DTA144EU
Q105	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q106	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q107	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(PSW-12 BOARD)

Ref. No.
or Q'ty Part No. SP Description

Q108	8-729-143-63	s	TRANSISTOR 2SJ132
Q109	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q110	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q111	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q112	8-729-321-78	s	TRANSISTOR 2SJ176
Q113	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q114	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q115	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q116	8-729-143-63	s	TRANSISTOR 2SJ132
Q117	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q118	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q119	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q120	8-729-321-78	s	TRANSISTOR 2SJ176
Q121	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q122	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q123	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q124	8-729-321-78	s	TRANSISTOR 2SJ176
Q125	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q126	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q127	8-729-905-18	s	TRANSISTOR DTC144EU
Q128	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q129	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q130	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q131	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q132	8-729-117-31	s	TRANSISTOR 2SC4177-L5
R113	1-216-343-00	s	METAL 0.33 5% 1W
R127	1-216-345-11	s	METAL 0.47 5% 1W
R153	1-216-343-00	s	METAL 0.33 5% 1W
R166	1-216-345-11	s	METAL 0.47 5% 1W
R172	1-215-857-11	s	METAL 10 5% 1W
R173	1-216-343-00	s	METAL 0.33 5% 1W
R174	1-216-341-11	s	METAL 0.22 5% 1W
R175	1-216-341-11	s	METAL 0.22 5% 1W
R179	1-218-725-11	s	METAL, CHIP 24K 0.50% 1/16W
R181	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R203	1-216-345-11	s	METAL 0.47 5% 1W
RV100	1-237-036-11	s	RES, ADJ METAL 10K
RV101	1-237-034-11	s	RES, ADJ METAL 2K
RV102	1-237-034-11	s	RES, ADJ METAL 2K
RV103	1-237-034-11	s	RES, ADJ METAL 2K
RV104	1-237-033-11	s	RES, ADJ METAL 1K
RV105	1-237-034-11	s	RES, ADJ METAL 2K
T101	1-450-514-11	s	TRANSFORMER, CONVERTER
TH101	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH102	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH103	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH104	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH105	1-809-308-21	s	THERMISTOR, CHIP 3.3K

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

PSW-12J BOARD

Ref. No.
or Q'ty Part No. SP Description

This board is used for J model.

C101	1-124-478-11	s	ELECT 100uF 20% 25V
C102	1-124-563-11	s	ELECT 2200uF 20% 25V
C106	1-164-217-11	s	CERAMIC, CHIP 150PF 5% 50V
C108	1-127-513-00	s	ALUMN SOLID 15uF 20% 25V
C109	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C110	1-124-762-00	s	ELECT 4700uF 20% 10V
C112	1-124-907-11	s	ELECT 10uF 20% 50V
C116	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C117	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C118	1-124-890-11	s	ELECT 6800uF 20% 6.3V
C120	1-124-443-00	s	ELECT 100uF 20% 10V
C126	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C128	1-124-762-00	s	ELECT 4700uF 20% 10V
C129	1-124-907-11	s	ELECT 10uF 20% 50V
C133	1-127-519-11	s	ALUMN SOLID 100uF 20% 20V
C134	1-127-515-11	s	ALUMN SOLID 47uF 20% 10V
C135	1-124-890-11	s	ELECT 6800uF 20% 6.3V
C149	1-127-513-00	s	ALUMN SOLID 15uF 20% 25V
C161	1-164-361-11	s	CERAMIC, CHIP 0.047uF 16V
CN601	1-506-469-11	s	CONNECTOR 4P, MALE
CN602	1-535-894-11	o	TAB, FASTON
CN603	1-566-566-11	o	CONNECTOR 40P, MALE
D102	8-719-981-38	s	DIODE ERC62M-004
D103	8-719-941-09	s	DIODE DAP202U
D104	8-719-975-85	s	DIODE ERB83-004
D105	8-719-981-38	s	DIODE ERC62M-004
D106	8-719-975-85	s	DIODE ERB83-004
D107	8-719-975-85	s	DIODE ERB83-004
F101	1-532-605-21	s	LINK, IC
IC101	8-759-927-99	s	IC MB3761PF
IC102	8-759-937-36	s	IC TL1451ACNS
IC103	8-759-937-36	s	IC TL1451ACNS
L101	1-424-316-11	s	COIL, CHOKE 150UH
L102	1-424-517-11	s	COIL, CHOKE 200UH
L103	1-424-517-11	s	COIL, CHOKE 200UH
L104	1-424-517-11	s	COIL, CHOKE 200UH
L105	1-421-459-00	s	COIL, CHOKE
L106	1-421-459-00	s	COIL, CHOKE
L107	1-421-459-00	s	COIL, CHOKE
L108	1-421-459-00	s	COIL, CHOKE
L109	1-421-459-00	s	COIL, CHOKE
Q101	8-729-321-78	s	TRANSISTOR 2SJ176
Q102	8-729-321-78	s	TRANSISTOR 2SJ176
Q103	8-729-905-18	s	TRANSISTOR DTC144EU
Q104	8-729-905-12	s	TRANSISTOR DTA144EU
Q105	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q106	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q107	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q108	8-729-143-63	s	TRANSISTOR 2SJ132
Q109	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q110	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q111	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q112	8-729-321-78	s	TRANSISTOR 2SJ176
Q113	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q114	8-729-117-31	s	TRANSISTOR 2SC4177-L5

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(PSW-12J BOARD)

Ref. No.
or Q'ty Part No. SP Description

Q115	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q116	8-729-143-63	s	TRANSISTOR 2SJ132
Q117	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q118	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q119	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q120	8-729-321-78	s	TRANSISTOR 2SJ176
Q125	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q126	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q127	8-729-905-18	s	TRANSISTOR DTC144EU
Q128	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q129	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q130	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q131	8-729-117-31	s	TRANSISTOR 2SC4177-L5
R113	1-216-343-00	s	METAL 0.33 5% 1W
R127	1-216-345-11	s	METAL 0.47 5% 1W
R153	1-216-343-00	s	METAL 0.33 5% 1W
R173	1-216-343-00	s	METAL 0.33 5% 1W
R174	1-216-341-11	s	METAL 0.22 5% 1W
R175	1-216-341-11	s	METAL 0.22 5% 1W
R179	1-218-725-11	s	METAL, CHIP 24K 0.50% 1/16W
R181	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R203	1-216-345-11	s	METAL 0.47 5% 1W
RV100	1-237-036-11	s	RES, ADJ METAL 10K
RV101	1-237-034-11	s	RES, ADJ METAL 2K
RV102	1-237-034-11	s	RES, ADJ METAL 2K
RV103	1-237-034-11	s	RES, ADJ METAL 2K
RV104	1-237-033-11	s	RES, ADJ METAL 1K
TH101	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH102	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH103	1-809-308-21	s	THERMISTOR, CHIP 3.3K
TH104	1-809-308-21	s	THERMISTOR, CHIP 3.3K

SE-158 BOARD

Ref. No.
or Q'ty Part No. SP Description

1pc	A-6717-612-A	o	MOUNTED CIRCUIT BOARD, SE-158
IC1	8-759-009-06	s	IC MC14052BF
S1	1-572-719-11	s	SWITCH, PUSH
S2	1-572-719-11	s	SWITCH, PUSH
S3	1-572-719-11	s	SWITCH, PUSH
S4	1-572-719-11	s	SWITCH, PUSH
S5	1-571-754-11	s	SWITCH, PUSH
S6	1-571-754-11	s	SWITCH, PUSH
S7	1-572-719-11	s	SWITCH, PUSH
S8	1-572-719-11	s	SWITCH, PUSH
S9	1-572-719-11	s	SWITCH, PUSH

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

SST-1 BOARD

Ref. No. or Q'ty	Part No.	SP Description
#1pc 3pcs	A-6715-451-B 3-174-317-01	o MOUNTED CIRCUIT BOARD, SST-1 o CASE (CC), SHIELD
BT200	1-528-291-11	o BATTERY, LITHIUM
#C6 C10 C11 C12 C13	1-162-963-11 1-164-361-11 1-164-361-11 1-164-756-11 1-164-361-11	s CERAMIC, CHIP 680PF 10% 50V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.0033uF 10% 50V s CERAMIC, CHIP 0.047uF 16V
C15 C16 C17 C18 C30	1-164-361-11 1-164-361-11 1-164-756-11 1-164-361-11 1-164-357-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.0033uF 10% 50V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 1000PF 5% 50V
C32 C34 C36 C42 #C71	1-124-120-11 1-164-315-11 1-127-515-11 1-164-217-11 1-162-927-11	s ELECT 220uF 20% 25V s CERAMIC, CHIP 470PF 10% 50V s ALUMN SOLID 47uF 20% 10V s CERAMIC, CHIP 150PF 5% 50V s CERAMIC, CHIP 100PF 5% 50V
#C72 C202	1-164-156-11 1-164-357-11	s CERAMIC, CHIP 0.1uF 25V s CERAMIC, CHIP 1000PF 5% 50V
C203 C204 C209 C210 C215	1-164-217-11 1-164-245-11 1-164-357-11 1-124-472-11 1-124-471-00	s CERAMIC, CHIP 150PF 5% 50V s CERAMIC, CHIP 0.015uF 10% 25V s CERAMIC, CHIP 1000PF 5% 50V s ELECT 470uF 20% 10V s ELECT 1000uF 20% 6.3V
C501 C503 C511 C515 C516	1-164-361-11 1-164-227-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.022uF 10% 25V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C517 C521 C527 C528 C533	1-164-361-11 1-164-361-11 1-164-357-11 1-164-357-11 1-164-227-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 1000PF 5% 50V s CERAMIC, CHIP 1000PF 5% 50V s CERAMIC, CHIP 0.022uF 10% 25V
C534 C544 C547 C549 C550	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C551 C552 C553 C554 C555	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C556 C557 C558 C559 C560	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C561 C562 C563 C564 C565	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C566	1-164-361-11	s CERAMIC, CHIP 0.047uF 16V

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(SST-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C567 C568 C570 C571	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C572 C573 C574 C575 C577	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-357-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 1000PF 5% 50V
C588 C589 C590 C592 C600	1-164-245-11 1-164-357-11 1-164-245-11 1-164-361-11 1-126-017-11	s CERAMIC, CHIP 0.015uF 10% 25V s CERAMIC, CHIP 1000PF 5% 50V s CERAMIC, CHIP 0.015uF 10% 25V s CERAMIC, CHIP 0.047uF 16V s ELECT 6800uF 20% 16V
C609 C610 C611 C615 C617	1-164-357-11 1-164-357-11 1-164-357-11 1-126-103-11 1-164-361-11	s CERAMIC, CHIP 1000PF 5% 50V s CERAMIC, CHIP 1000PF 5% 50V s CERAMIC, CHIP 1000PF 5% 50V s ELECT 470uF 20% 16V s CERAMIC, CHIP 0.047uF 16V
C618 C621 C623 C624 C638	1-164-361-11 1-126-103-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s ELECT 470uF 20% 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C639 C640 C641 C642 C643	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
C644 C645 C646 C648 C649	1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11 1-164-361-11	s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V s CERAMIC, CHIP 0.047uF 16V
CN1 CN2 CN3 CN4 CN5	1-568-084-11 1-568-084-11 1-568-084-11 1-568-084-11 1-568-084-11	s CONNECTOR, HINGE 30P, FEMALE s CONNECTOR, HINGE 30P, FEMALE s CONNECTOR, HINGE 30P, FEMALE s CONNECTOR, HINGE 30P, FEMALE s CONNECTOR, HINGE 30P, FEMALE
CN6 CN7 CN8 CN9 CN10	1-506-469-11 1-506-474-11 1-506-470-11 1-506-470-11 1-564-001-11	s CONNECTOR 4P, MALE s CONNECTOR 9P, MALE s CONNECTOR 5P, MALE s CONNECTOR 5P, MALE s CONNECTOR 2P, MALE
CNI6 CNI520 CNI527	1-540-069-11 1-526-652-21 1-540-197-11	s SOCKET, IC 84P s SOCKET, IC 8P o SOCKET, IC 32P
#CV200 #CV201	1-141-424-11 1-141-424-11	s CAP, TRIMMER, CHIP 30PF s CAP, TRIMMER, CHIP 30PF
D1 D2 D3 D4 D5	8-719-941-86 8-719-902-27 8-719-913-44 8-719-913-44 8-719-913-44	s DIODE DAN202U s LED EBR3402S, RED s DIODE ERA82-004 s DIODE ERA82-004 s DIODE ERA82-004
D6 D7 D8 D10	8-719-913-44 8-719-941-86 8-719-913-44 8-719-975-85	s DIODE ERA82-004 s DIODE DAN202U s DIODE ERA82-004 s DIODE ERB83-004

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(SST-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D11	8-719-106-62	s DIODE RD11M-B2
D12	8-719-941-09	s DIODE DAP202U
D200	8-719-941-23	s DIODE DA204U
D201	8-719-941-23	s DIODE DA204U
D202	8-719-941-23	s DIODE DA204U
D203	8-719-941-23	s DIODE DA204U
D204	8-719-941-23	s DIODE DA204U
D205	8-719-941-86	s DIODE DAN202U
D206	8-719-913-44	s DIODE ERA82-004
D207	8-719-941-86	s DIODE DAN202U
D208	8-719-902-27	s LED EBR3402S, RED
D502	8-719-941-86	s DIODE DAN202U
D504	8-719-941-86	s DIODE DAN202U
D505	8-719-941-86	s DIODE DAN202U
D506	8-719-941-86	s DIODE DAN202U
D509	8-719-941-23	s DIODE DA204U
D512	8-719-902-27	s LED EBR3402S, RED
D600	8-719-975-85	s DIODE ERB83-004
D601	8-719-975-85	s DIODE ERB83-004
D603	8-719-975-85	s DIODE ERB83-004
D605	8-719-941-23	s DIODE DA204U
D606	8-719-941-86	s DIODE DAN202U
D607	8-719-975-85	s DIODE ERB83-004
D608	8-719-941-23	s DIODE DA204U
D609	8-719-975-85	s DIODE ERB83-004
D610	8-719-941-86	s DIODE DAN202U
D613	8-719-941-09	s DIODE DAP202U
D614	8-719-941-09	s DIODE DAP202U
D616	8-719-913-44	s DIODE ERA82-004
D617	8-719-913-44	s DIODE ERA82-004
D618	8-719-913-44	s DIODE ERA82-004
D619	8-719-913-44	s DIODE ERA82-004
D620	8-719-913-44	s DIODE ERA82-004
D621	8-719-913-44	s DIODE ERA82-004
D900	8-719-913-37	s DIODE GP-1A06
D901	8-719-913-37	s DIODE GP-1A06
FB1	1-543-309-21	s BEAD, FERRITE
FB2	1-543-309-21	s BEAD, FERRITE
FB3	1-543-309-21	s BEAD, FERRITE
FB600	1-543-309-21	s BEAD, FERRITE
IC1	8-759-105-49	s IC UPC319G2
IC2	8-759-233-64	s IC TC74HC04AF
IC3	8-759-941-38	s IC BA6229U3
IC4	8-759-805-32	s IC LA7205M
IC5	8-759-805-32	s IC LA7205M
#IC6	8-759-098-31	s IC HD6435328-RB83M
IC7	8-759-938-68	s IC CXD1095Q
IC8	8-759-938-68	s IC CXD1095Q
IC9	8-759-999-19	s IC MB88323A-PF-K2
IC10	8-759-937-36	s IC TL1451ACNS
IC11	8-759-512-71	s IC S-8054HNM
#IC13	8-759-922-48	s IC S-8052ALY
#IC71	8-759-260-53	s IC LM2903PW
IC200	8-759-011-65	s IC MC74HC4053F
IC201	8-759-981-54	s IC RC2041MD

(SST-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC202	8-759-700-07	s IC NJM2903M
IC203	8-759-700-07	s IC NJM2903M
IC204	8-759-011-65	s IC MC74HC4053F
IC205	8-759-701-40	s IC NJM3404AM-T1
IC206	8-759-035-93	s IC TC7S32F-TE85L
IC207	8-759-209-54	s IC TC4S01F
IC208	8-759-927-46	s IC SN74HC00NS
IC209	8-759-008-82	s IC MC14013BF
IC210	8-759-009-02	s IC MC14046BF
IC211	8-759-925-72	s IC SN74HC02NS
IC212	8-759-209-15	s IC TC4SU69F
IC213	8-759-059-20	s IC UPD75004GB-755-3B4
IC214	8-759-944-79	s IC CXD1132Q
IC501	8-759-700-07	s IC NJM2903M
IC502	8-759-983-74	s IC LM324NS
IC503	8-759-700-07	s IC NJM2903M
IC504	8-759-708-05	s IC NJM78L05A
IC505	8-759-300-71	s IC HD14053BFP
IC506	1-807-985-12	s IC BH1812
IC507	8-759-700-07	s IC NJM2903M
IC508	8-759-983-74	s IC LM324NS
IC511	8-759-977-80	s IC MB88342PF
IC512	8-759-300-71	s IC HD14053BFP
IC516	8-759-983-69	s IC LM358PS
IC518	8-759-009-05	s IC MC14051BF
IC519	8-759-323-88	s IC HD6435328RA00F
#IC520	8-752-348-02	s IC CXK1023P
IC524	8-759-300-71	s IC HD14053BFP
#IC525	8-759-054-54	s IC SRM2016M10
IC526	8-759-925-76	s IC SN74HC08NS
#IC527	8-759-160-10	o IC 27C512-BVW50NV2.4, EPROM
IC528	8-759-038-46	s IC TC7S00F-TE85L
IC601	8-759-983-69	s IC LM358PS
IC602	8-759-941-38	s IC BA6229U3
IC603	8-759-981-54	s IC RC2041MD
IC604	8-759-983-74	s IC LM324NS
IC605	8-759-983-69	s IC LM358PS
IC607	8-759-983-74	s IC LM324NS
IC901	8-752-343-05	s IC CXD2202Q
L3	1-424-517-11	s COIL, CHOKE 200UH
L601	1-424-517-11	s COIL, CHOKE 200UH
L602	1-424-517-11	s COIL, CHOKE 200UH
L604	1-424-517-11	s COIL, CHOKE 200UH
L605	1-424-517-11	s COIL, CHOKE 200UH
Q1	8-729-905-18	s TRANSISTOR DTC144EU
Q2	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q3	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q4	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q5	8-729-805-20	s TRANSISTOR 2SB1202-R
Q6	8-729-141-75	s TRANSISTOR 2SD596DV345
Q7	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q8	8-729-141-75	s TRANSISTOR 2SD596DV345
Q9	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q10	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q11	8-729-905-18	s TRANSISTOR DTC144EU

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(SST-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q12	8-729-321-78	s	TRANSISTOR 2SJ176
Q13	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q14	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q200	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q502	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q503	8-729-905-18	s	TRANSISTOR DTC144EU
Q504	8-729-905-18	s	TRANSISTOR DTC144EU
Q505	8-729-905-18	s	TRANSISTOR DTC144EU
Q506	8-729-905-18	s	TRANSISTOR DTC144EU
Q507	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q600	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q602	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q603	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q604	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q605	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q606	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q607	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q608	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q609	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q610	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q611	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q612	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q613	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q614	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q615	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q617	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q618	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q619	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q620	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q621	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q622	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q623	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q624	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q625	8-729-805-20	s	TRANSISTOR 2SB1202-R
Q626	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
#Q629	8-729-049-56	s	TRANSISTOR 2SK2415
#Q631	8-729-049-56	s	TRANSISTOR 2SK2415
#Q633	8-729-049-56	s	TRANSISTOR 2SK2415
#Q635	8-729-049-56	s	TRANSISTOR 2SK2415
#Q637	8-729-049-56	s	TRANSISTOR 2SK2415
#Q639	8-729-049-56	s	TRANSISTOR 2SK2415
Q640	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q641	8-729-905-18	s	TRANSISTOR DTC144EU
R2	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R3	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
#R37	1-216-845-11	s	RES, CHIP 100K 5% 1/16W
R41	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R42	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R44	1-218-727-11	s	METAL, CHIP 30K 0.50% 1/16W
R45	1-218-740-11	s	METAL, CHIP 100K 0.50% 1/16W
R53	1-216-865-11	s	METAL, CHIP 3K 5% 1/16W
#R73	1-216-831-11	s	RES, CHIP 6.8K 5% 1/16W
#R74	1-216-829-11	s	RES, CHIP 4.7K 5% 1/16W
#R75	1-216-820-11	s	RES, CHIP 820 5% 1/16W
#R76	1-216-840-11	s	RES, CHIP 39K 5% 1/16W
#R77	1-218-697-11	s	METAL, CHIP 1.6K 0.50% 1/16W
#R78	1-216-847-11	s	RES, CHIP 150K 5% 1/16W
#R79	1-216-833-11	s	RES, CHIP 10K 5% 1/16W

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(SST-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R537	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R538	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R539	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R540	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R571	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R573	1-218-732-11	s	METAL, CHIP 47K 0.50% 1/16W
R578	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R579	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R586	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R613	1-216-343-00	s	METAL 0.33 5% 1W
R614	1-216-343-00	s	METAL 0.33 5% 1W
R641	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R645	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R646	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R647	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R651	1-216-343-00	s	METAL 0.33 5% 1W
R685	1-216-343-00	s	METAL 0.33 5% 1W
R694	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R695	1-218-748-11	s	METAL, CHIP 220K 0.50% 1/16W
R696	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R697	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
RV1	1-237-036-11	s	RES, ADJ METAL 10K
RV500	1-237-038-11	s	RES, ADJ METAL 50K
RV501	1-241-520-11	s	RES, VAR CARBON 10K
RV504	1-237-036-11	s	RES, ADJ METAL 10K
S501	1-554-371-51	s	SWITCH, PUSH
S502	1-554-371-51	s	SWITCH, PUSH
X1	1-577-110-11	s	CRYSTAL 20.00MHz
X200	1-567-866-11	s	CRYSTAL 14.31818MHz
X201	1-578-742-11	s	CRYSTAL 31.4685KHz
X202	1-567-160-21	s	RESONATOR, CERAMIC 4.19MHz
X501	1-577-110-11	s	CRYSTAL 20.00MHz
X502	1-577-110-11	s	CRYSTAL 20.00MHz

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

TBC-19 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6727-321-A	o MOUNTED CIRCUIT BOARD, TBC-19
C101	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C102	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C130	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C204	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C205	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C307	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C309	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C320	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C346	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C347	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C348	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C349	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C408	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C409	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C443	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C444	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C621	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C626	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C629	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C641	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
CN1	1-568-084-11	s CONNECTOR, HINGE 30P, FEMALE
CN2	1-568-079-11	s CONNECTOR, HINGE 20P, FEMALE
CN3	1-506-468-11	s CONNECTOR 3P, MALE
D101	8-719-941-23	s DIODE DA204U
D201	8-719-941-23	s DIODE DA204U
D302	8-719-941-23	s DIODE DA204U
D303	8-719-049-03	s DIODE KV1851A-1
D304	8-719-049-03	s DIODE KV1851A-1
D306	8-719-941-09	s DIODE DAP202U
D307	8-719-941-23	s DIODE DA204U
D308	8-719-941-23	s DIODE DA204U
D309	8-719-105-74	s DIODE RD4.7M-B3
D402	8-719-941-23	s DIODE DA204U
D403	8-719-049-03	s DIODE KV1851A-1
D404	8-719-049-03	s DIODE KV1851A-1
D406	8-719-941-09	s DIODE DAP202U
D409	8-719-105-74	s DIODE RD4.7M-B3
D501	8-719-941-23	s DIODE DA204U
D502	8-719-941-86	s DIODE DAN202U
D503	8-719-941-09	s DIODE DAP202U
D505	8-719-941-23	s DIODE DA204U
D602	8-719-941-23	s DIODE DA204U
D603	8-719-941-23	s DIODE DA204U
D604	8-719-941-23	s DIODE DA204U
D701	8-719-941-86	s DIODE DAN202U
D702	8-719-941-09	s DIODE DAP202U
D703	8-719-941-09	s DIODE DAP202U
D704	8-719-941-86	s DIODE DAN202U
DL701	1-415-825-11	s DELAY LINE 25nS
DL801	1-415-826-11	s DELAY LINE 135nS
DL802	1-415-826-11	s DELAY LINE 135nS
FB601	1-543-309-21	s BEAD, FERRITE
FB602	1-543-309-21	s BEAD, FERRITE
FL101	1-239-069-11	s FILTER, LOW-PASS
FL201	1-235-759-11	s FILTER, LOW-PASS
FL701	1-236-125-22	s FILTER, LOW-PASS

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
FL702	1-236-125-22	s FILTER, LOW-PASS
FL703	1-239-068-11	s FILTER, LOW-PASS
FL801	1-235-161-00	s FILTER, BANDPASS 3.58MHz
IC1	8-759-927-46	s IC SN74HC00NS
IC2	8-759-983-74	s IC LM324NS
IC3	8-759-983-69	s IC LM358PS
IC4	8-759-939-41	s IC S-81230AG-RB
IC5	8-759-510-16	s IC S-80230AG-GA-T1
IC101	1-809-333-11	s IC H8D7151
IC102	8-759-014-29	s IC MC34184M
IC103	8-759-234-77	s IC TC4S66F
IC104	8-759-710-88	s IC NJM431U
IC105	8-752-334-55	s IC CXD1175M
IC106	8-759-702-08	s IC NJM360M
IC201	8-759-014-29	s IC MC34184M
IC202	1-809-333-11	s IC H8D7151
IC204	8-759-234-77	s IC TC4S66F
IC205	8-752-334-55	s IC CXD1175M
IC301	8-759-014-29	s IC MC34184M
IC302	8-752-339-03	s IC CXD2207Q
IC303	8-759-907-81	s IC SN74LS221NS
IC304	8-759-941-17	s IC SN74LS06NS
IC305	8-759-243-19	s IC TC7SU04F
IC306	8-759-983-95	s IC TL592BPS
IC308	8-759-035-93	s IC TC7S32F-TE85L
IC309	8-759-234-20	s IC TC7S08F
IC310	8-759-243-19	s IC TC7SU04F
IC311	8-759-234-77	s IC TC4S66F
IC312	8-759-234-77	s IC TC4S66F
IC317	8-759-035-93	s IC TC7S32F-TE85L
IC318	8-759-234-20	s IC TC7S08F
IC401	8-759-300-71	s IC HD14053BFP
IC403	8-752-339-03	s IC CXD2207Q
IC404	8-759-030-16	s IC MC34182M
IC405	8-759-907-81	s IC SN74LS221NS
IC406	8-759-941-17	s IC SN74LS06NS
IC407	8-759-243-19	s IC TC7SU04F
IC408	8-759-983-95	s IC TL592BPS
IC411	8-759-234-20	s IC TC7S08F
IC412	8-759-243-19	s IC TC7SU04F
IC413	8-759-209-54	s IC TC4S01F
IC415	8-759-234-77	s IC TC4S66F
IC416	8-759-926-24	s IC SN74HC164NS
IC417	8-759-035-93	s IC TC7S32F-TE85L
IC501	8-759-925-74	s IC TC74HC04NS
IC502	8-759-055-71	s IC CXD8313Q
IC503	8-759-055-71	s IC CXD8313Q
IC504	8-752-397-38	s IC CXK1206AM
IC505	8-752-397-38	s IC CXK1206AM
IC506	8-752-397-38	s IC CXK1206AM
IC507	8-752-397-38	s IC CXK1206AM
IC508	8-752-341-32	s IC CXD2209Q
#IC509	8-759-399-52	s IC CXD8935BQ
IC511	8-759-008-37	s IC MC74HC4050F
IC512	8-759-234-20	s IC TC7S08F
IC514	8-759-035-93	s IC TC7S32F-TE85L
IC601	8-759-925-74	s IC TC74HC04NS
IC602	8-752-306-51	s IC CX23065A

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC603	8-759-300-71	s IC HD14053BFP
IC604	8-759-398-57	s IC LM1881M-PL63
IC605	8-752-343-03	s IC CXD2214Q
IC606	8-759-907-81	s IC SN74LS221NS
IC607	8-759-014-29	s IC MC34184M
IC608	8-759-300-71	s IC HD14053BFP
IC609	8-752-306-51	s IC CX23065A
IC610	8-759-928-09	s IC TLC27M2CPS
IC611	8-759-031-84	s IC TC7S04F
IC612	8-759-031-84	s IC TC7S04F
IC613	8-759-239-55	s IC TC74HC123AF
IC614	8-759-030-16	s IC MC34182M
IC615	8-759-038-46	s IC TC7S00F-TE85L
IC616	8-759-234-20	s IC CX23065A
IC618	8-759-031-84	s IC TC7S04F
IC701	8-759-035-93	s IC TC7S32F-TE85L
IC702	8-752-363-43	s IC CXD1171M
IC703	8-752-363-43	s IC CXD1171M
IC704	8-752-363-43	s IC CXD1171M
IC705	8-759-702-08	s IC NJM360M
IC706	8-759-702-08	s IC NJM360M
IC707	8-759-925-76	s IC SN74HC08NS
IC708	8-759-239-23	s IC TC74HC86AF
IC709	8-752-306-51	s IC CX23065A
IC710	8-759-038-46	s IC TC7S00F-TE85L
IC711	8-759-234-77	s IC TC4S66F
IC712	8-759-030-16	s IC MC34182M
IC713	8-759-100-93	s IC UPC393G2
IC714	8-759-239-55	s IC TC74HC123AF
IC715	8-759-925-90	s IC SN74HC74NS
IC716	8-759-925-90	s IC SN74HC74NS
IC717	8-759-038-46	s IC TC7S00F-TE85L
IC801	8-752-052-82	s IC CXA1432M
IC802	8-752-052-82	s IC CXA1432M
IC803	8-759-300-71	s IC HD14053BFP
IC804	8-759-300-71	s IC HD14053BFP
IC805	8-759-030-16	s IC MC34182M
IC806	8-759-925-76	s IC SN74HC08NS
IC807	8-759-927-46	s IC SN74HC00NS
IC808	8-759-906-59	s IC CX22017
IC810	1-809-333-11	s IC H8D7151
IC811	1-809-333-11	s IC H8D7151
IC812	1-809-333-11	s IC H8D7151
IC814	1-809-333-11	s IC H8D7151
IC815	8-759-031-84	s IC TC7S04F
IC816	8-759-234-20	s IC TC7S08F
IC817	8-759-031-84	s IC TC7S04F
L304	1-410-723-61	s INDUCTOR, CHIP 330UH
L305	1-410-727-61	s INDUCTOR, CHIP 680UH
L403	1-408-784-11	s INDUCTOR, CHIP 39UH
L404	1-410-717-31	s INDUCTOR, CHIP 100uH
L407	1-410-711-31	s INDUCTOR, CHIP 33UH
LV301	1-409-984-21	s COIL, VAR 8.2UH
LV401	1-409-984-21	s COIL, VAR 8.2UH
LV801	1-412-811-11	s COIL, VAR 2.2UH
LV802	1-412-811-11	s COIL, VAR 2.2UH
Q1	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q2	8-729-101-07	s TRANSISTOR 2SB798

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q3	8-729-807-50	s TRANSISTOR 2SD1623-R
Q4	8-729-807-50	s TRANSISTOR 2SD1623-R
Q5	8-729-807-50	s TRANSISTOR 2SD1623-R
Q6	8-729-807-50	s TRANSISTOR 2SD1623-R
Q101	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q102	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q103	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q104	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q201	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q202	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q301	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q302	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q303	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q304	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q305	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q306	8-729-905-12	s TRANSISTOR DTA144EU
Q307	8-729-905-18	s TRANSISTOR DTC144EU
Q308	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q309	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q310	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q311	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q312	8-729-905-12	s TRANSISTOR DTA144EU
Q401	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q402	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q403	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q404	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q405	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q406	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q407	8-729-905-12	s TRANSISTOR DTA144EU
Q601	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q602	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q603	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q604	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q605	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q606	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q607	8-729-117-72	s TRANSISTOR 2SC4178
Q608	8-729-117-72	s TRANSISTOR 2SC4178
Q609	8-729-209-07	s TRANSISTOR 2SC4213-B
Q610	8-729-905-18	s TRANSISTOR DTC144EU
Q611	8-729-905-18	s TRANSISTOR DTC144EU
Q701	8-729-907-26	s TRANSISTOR 1MX1
Q702	8-729-907-26	s TRANSISTOR 1MX1
Q707	8-729-117-72	s TRANSISTOR 2SC4178
Q708	8-729-117-72	s TRANSISTOR 2SC4178
Q709	8-729-117-72	s TRANSISTOR 2SC4178
Q710	8-729-117-72	s TRANSISTOR 2SC4178
Q715	8-729-905-18	s TRANSISTOR DTC144EU
Q716	8-729-905-18	s TRANSISTOR DTC144EU
Q801	8-729-117-72	s TRANSISTOR 2SC4178
Q802	8-729-117-72	s TRANSISTOR 2SC4178
Q803	8-729-117-72	s TRANSISTOR 2SC4178
Q804	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q805	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q806	8-729-907-46	s TRANSISTOR 1MZ1
Q807	8-729-904-41	s TRANSISTOR FMY3
Q808	8-729-117-72	s TRANSISTOR 2SC4178
Q809	8-729-117-72	s TRANSISTOR 2SC4178
Q810	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q811	8-729-143-07	s TRANSISTOR 2SA1610-YY33

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q812	8-729-907-46	s TRANSISTOR IMZ1
Q813	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q814	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q815	8-729-117-72	s TRANSISTOR 2SC4178
Q816	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q817	8-729-117-72	s TRANSISTOR 2SC4178
Q818	8-729-904-41	s TRANSISTOR FMY3
Q819	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q820	8-729-907-46	s TRANSISTOR IMZ1
Q821	8-729-907-46	s TRANSISTOR IMZ1
Q822	8-729-143-07	s TRANSISTOR 2SA1610-YY33
Q823	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
R108	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R114	1-218-344-11	s METAL, CHIP 7.5K 0.50% 1/16W
R134	1-218-345-11	s METAL, CHIP 9.1K 5% 1/16W
R135	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
R206	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R209	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R216	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R217	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R306	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R307	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
R310	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R314	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R315	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R316	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R321	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R323	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R325	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R327	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R333	1-218-705-11	s METAL, CHIP 3.6K 0.50% 1/16W
#R336	1-218-290-11	s METAL, CHIP 6.2K 5% 1/16W
R343	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R363	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R365	1-216-806-11	s METAL, CHIP 56 5% 1/16W
R371	1-218-736-11	s METAL, CHIP 68K 0.50% 1/16W
R390	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R392	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
R407	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R409	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R413	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R415	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R418	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R419	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R421	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R422	1-218-271-11	s METAL, CHIP 2K 5% 1/16W
R425	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R428	1-218-705-11	s METAL, CHIP 3.6K 0.50% 1/16W
R435	1-218-705-11	s METAL, CHIP 3.6K 0.50% 1/16W
R444	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R445	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R460	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R462	1-216-806-11	s METAL, CHIP 56 5% 1/16W
R465	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R471	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R482	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R483	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R486	1-218-270-11	s METAL, CHIP 1.1K 5% 1/16W

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R490	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R492	1-218-736-11	s METAL, CHIP 68K 0.50% 1/16W
R632	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R638	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R659	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R701	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R703	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R705	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R710	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R722	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R724	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R731	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R776	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R778	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R782	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R815	1-218-270-11	s METAL, CHIP 1.1K 5% 1/16W
R816	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
R817	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R818	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R819	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R822	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R823	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R835	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R837	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R844	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R845	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R851	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R860	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R861	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R864	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R865	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R882	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R883	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R884	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R886	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R887	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R888	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R892	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R900	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R902	1-218-752-11	s METAL, CHIP 330K 0.50% 1/16W
R903	1-218-752-11	s METAL, CHIP 330K 0.50% 1/16W
R907	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
RV101	1-237-033-11	s RES, ADJ METAL 1K
RV102	1-237-032-11	s RES, ADJ METAL 500
RV201	1-237-033-11	s RES, ADJ METAL 1K
RV202	1-237-032-11	s RES, ADJ METAL 500
RV301	1-237-034-11	s RES, ADJ METAL 2K
RV307	1-237-034-11	s RES, ADJ METAL 2K
RV308	1-237-035-11	s RES, ADJ METAL 5K
RV309	1-237-035-11	s RES, ADJ METAL 5K
RV310	1-237-035-11	s RES, ADJ METAL 5K
RV401	1-237-033-11	s RES, ADJ METAL 1K
RV404	1-237-034-11	s RES, ADJ METAL 2K
RV405	1-237-034-11	s RES, ADJ METAL 2K
RV406	1-237-035-11	s RES, ADJ METAL 5K
RV409	1-237-036-11	s RES, ADJ METAL 10K
RV601	1-237-035-11	s RES, ADJ METAL 5K
RV602	1-237-041-11	s RES, ADJ METAL 500K

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(TBC-19 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV603	1-237-035-11	s RES, ADJ METAL 5K
RV605	1-237-032-11	s RES, ADJ METAL 500
RV606	1-241-520-11	s RES, VAR CARBON 10K
RV701	1-237-035-11	s RES, ADJ METAL 5K
RV702	1-237-035-11	s RES, ADJ METAL 5K
RV703	1-237-035-11	s RES, ADJ METAL 5K
RV705	1-237-036-11	s RES, ADJ METAL 10K
RV706	1-237-034-11	s RES, ADJ METAL 2K
RV801	1-237-036-11	s RES, ADJ METAL 10K
RV802	1-237-034-11	s RES, ADJ METAL 2K
RV803	1-237-034-11	s RES, ADJ METAL 2K
RV804	1-237-035-11	s RES, ADJ METAL 5K
RV805	1-237-034-11	s RES, ADJ METAL 2K
RV806	1-237-036-11	s RES, ADJ METAL 10K
RV807	1-237-036-11	s RES, ADJ METAL 10K
RV808	1-237-034-11	s RES, ADJ METAL 2K
RV813	1-237-034-11	s RES, ADJ METAL 2K
RV814	1-237-034-11	s RES, ADJ METAL 2K
RV815	1-237-034-11	s RES, ADJ METAL 2K
RV816	1-237-036-11	s RES, ADJ METAL 10K
RV817	1-241-520-11	s RES, VAR CARBON 10K
RV818	1-237-036-11	s RES, ADJ METAL 10K
S601	1-571-275-11	s SWITCH, SLIDE
S801	1-571-275-11	s SWITCH, SLIDE
TH301	1-809-308-21	s THERMISTOR, CHIP 3.3K
TH302	1-809-308-21	s THERMISTOR, CHIP 3.3K
TH401	1-809-308-21	s THERMISTOR, CHIP 3.3K
TH402	1-809-308-21	s THERMISTOR, CHIP 3.3K
#X601	1-760-267-11	s VCO, CRYSTAL 14.318180MHz
#X602	1-760-267-11	s VCO, CRYSTAL 14.318180MHz

TR-57 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6754-272-A	o MOUNTED PCB. TR-57
1pc	1-564-831-11	o CONTACT, FEMALE
1pc	1-569-193-11	o CONTACT, FEMALE
1pc	1-638-710-11	o PRINTED CIRCUIT BOARD, TR-57
1pc	3-680-830-01	o HOLDER, DME
CN1	1-562-737-11	o HOUSING 4P
CN954	1-569-197-41	o HOUSING 4P
PD1	8-745-001-07	s DME DM-230-1

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

VR-118 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6713-422-A	o MOUNTED CIRCUIT BOARD, VR-118
C339	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C341	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
CN551	1-565-878-11	s CONNECTOR 6P, MALE
CN552	1-506-486-11	s CONNECTOR 7P, MALE
CN553	1-506-485-11	s CONNECTOR 6P, MALE
CN554	1-506-482-11	s CONNECTOR 3P, MALE
CN555	1-565-884-11	o CONNECTOR 12P, MALE
CN556	1-565-876-11	o CONNECTOR 4P, MALE
CN557	1-565-879-11	s CONNECTOR 7P, MALE
D301	8-719-941-23	s DIODE DA204U
D302	8-719-941-23	s DIODE DA204U
#IC301	8-759-981-54	s IC RC2041MD
IC302	8-759-300-71	s IC HD14053BFP
IC303	8-759-981-54	s IC RC2041MD
IC304	8-759-009-10	s IC MC14069UBF
#IC305	8-759-981-54	s IC RC2041MD
IC306	8-759-745-64	s IC NJM4560M
IC307	8-759-745-64	s IC NJM4560M
IC308	8-759-300-71	s IC HD14053BFP
IC309	8-759-906-53	s IC TL062CPS
IC310	8-759-906-53	s IC TL062CPS
Q301	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q302	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q303	8-729-905-18	s TRANSISTOR DTC144EU
Q304	8-729-905-18	s TRANSISTOR DTC144EU
Q305	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q306	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q307	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q308	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q309	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q310	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q311	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q312	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q313	8-729-905-18	s TRANSISTOR DTC144EU
Q314	8-729-905-18	s TRANSISTOR DTC144EU
R305	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R306	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R327	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R328	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R329	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R330	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R331	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R332	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R333	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R334	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R335	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R336	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R372	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R374	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
RV301	1-241-522-11	s RES, VAR CARBON 10K
RV302	1-241-522-11	s RES, VAR CARBON 10K
RV303	1-241-522-11	s RES, VAR CARBON 10K
RV304	1-241-522-11	s RES, VAR CARBON 10K
RV305	1-241-522-11	s RES, VAR CARBON 10K
RV306	1-241-522-11	s RES, VAR CARBON 10K

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VR-118 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV307	1-241-522-11	s RES, VAR CARBON 10K
RV308	1-241-522-11	s RES, VAR CARBON 10K
RV311	1-237-037-11	s RES, ADJ METAL 20K
RV312	1-237-037-11	s RES, ADJ METAL 20K
S301	1-554-355-00	s SWITCH, TOGGLE
S302	1-553-906-00	s SWITCH, SLIDE

VRP-1 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6727-320-A	o MOUNTED CIRCUIT BOARD, VRP-1
C2	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C4	1-127-516-11	s ALUMN SOLID 220uF 20% 10V
C43	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C44	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C46	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C105	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C122	1-127-515-11	s ALUMN SOLID 47uF 20% 10V
C123	1-127-515-11	s ALUMN SOLID 47uF 20% 10V
C126	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C131	1-124-584-00	s ELECT 100uF 20% 10V
C138	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C178	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C180	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C181	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C183	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C202	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C203	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C204	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C205	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C208	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C215	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C226	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C234	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C235	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C236	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C241	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C245	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C246	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C254	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C274	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C276	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C287	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C288	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C303	1-124-471-00	s ELECT 1000uF 20% 6.3V
C312	1-162-905-11	s CERAMIC, CHIP 1PF 50V
C320	1-109-540-00	s MICA 180PF 5% 100V
C333	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C336	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C338	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C403	1-124-471-00	s ELECT 1000uF 20% 6.3V
C406	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C410	1-109-540-00	s MICA 180PF 5% 100V
C423	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C426	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C429	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C431	1-164-470-91	s CERAMIC, CHIP 620PF 5% 50V
C500	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C501	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C502	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C503	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C506	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C507	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C508	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C509	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C510	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C514	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C515	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C521	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C526	1-124-471-00	s ELECT 1000uF 20% 6.3V
C540	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C619	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C624	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C641	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C649	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C657	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C693	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C712	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C717	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C734	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C747	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C774	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C775	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C776	1-164-363-11	s CERAMIC, CHIP 560PF 5% 50V
C817	1-109-540-00	s MICA 180PF 5% 100V
C830	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C916	1-109-540-00	s MICA 180PF 5% 100V
C928	1-127-518-11	s ALUMN SOLID 100uF 20% 16V
C1019	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C1026	1-164-360-11	s CERAMIC, CHIP 0.1uF 16V
C1028	1-164-315-11	s CERAMIC, CHIP 470PF 10% 50V
C1029	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C1032	1-164-357-11	s CERAMIC, CHIP 1000PF 5% 50V
C1033	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C1034	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
CN1	1-580-857-11	s CONNECTOR, BB 15P, MALE
CN2	1-569-335-11	s CONNECTOR, BB 9P, MALE
CN3	1-580-857-11	s CONNECTOR, BB 15P, MALE
CN4	1-568-098-11	o CONNECTOR, HINGE 30P, MALE
CN5	1-568-084-11	s CONNECTOR, HINGE 30P, FEMALE
CN6	1-568-084-11	s CONNECTOR, HINGE 30P, FEMALE
CN7	1-568-093-11	s CONNECTOR, HINGE 20P, MALE
CN8	1-506-477-11	s CONNECTOR 12P, MALE
CN9	1-506-471-11	s CONNECTOR 6P, MALE
CN10	1-569-333-11	s CONNECTOR, BB 3P, MALE
CN501	1-506-469-11	s CONNECTOR 4P, MALE
CN502	1-506-469-11	s CONNECTOR 4P, MALE
CN503	1-506-468-11	s CONNECTOR 3P, MALE
CN601	1-506-477-11	s CONNECTOR 12P, MALE
CN602	1-506-467-11	s CONNECTOR 2P, MALE
CN603	1-506-471-11	s CONNECTOR 6P, MALE
CN604	1-506-467-11	s CONNECTOR 2P, MALE
COP501	1-563-859-11	s PLUG, SHORTING
COP502	1-563-859-11	s PLUG, SHORTING
COP503	1-563-859-11	s PLUG, SHORTING
COP504	1-563-859-11	s PLUG, SHORTING
COR501	1-566-388-11	s CONNECTOR 8P, MALE
COR502	1-566-388-11	s CONNECTOR 8P, MALE
COR503	1-566-388-11	s CONNECTOR 8P, MALE
COR504	1-566-388-11	s CONNECTOR 8P, MALE
D101	8-719-105-46	s DIODE RD3.3M-B2
D102	8-719-105-46	s DIODE RD3.3M-B2
D103	8-719-941-86	s DIODE DAN202U
D111	8-719-400-18	s DIODE MA152WK
D112	8-719-400-18	s DIODE MA152WK

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D121	8-719-400-18	s DIODE MA152WK
D122	8-719-400-18	s DIODE MA152WK
#D201	8-719-049-00	s DIODE KV1362A-1
D202	8-719-821-39	s DIODE 1SV160
D204	8-719-941-23	s DIODE DA204U
D205	8-719-157-36	s DIODE RD6.8M-B
D301	8-719-941-23	s DIODE DA204U
D302	8-719-941-23	s DIODE DA204U
D400	8-719-941-23	s DIODE DA204U
D500	8-719-106-70	s DIODE RD12M-B1
D1001	8-719-157-36	s DIODE RD6.8M-B
D1002	8-719-941-86	s DIODE DAN202U
D1003	8-719-941-86	s DIODE DAN202U
DL101	1-415-825-11	s DELAY LINE 25ns
DL201	1-415-168-00	s DELAY LINE 200ns
DL601	1-415-823-11	s DELAY LINE 55ns
DL602	1-415-825-11	s DELAY LINE 25ns
DL701	1-415-822-11	s DELAY LINE 65ns
DL702	1-415-824-11	s DELAY LINE 30ns
FB1	1-543-309-21	s BEAD, FERRITE
FB2	1-543-309-21	s BEAD, FERRITE
FB3	1-543-309-21	s BEAD, FERRITE
FB4	1-543-309-21	s BEAD, FERRITE
FB101	1-543-309-21	s BEAD, FERRITE
FB102	1-543-309-21	s BEAD, FERRITE
FB103	1-543-309-21	s BEAD, FERRITE
FB104	1-543-309-21	s BEAD, FERRITE
FB105	1-543-309-21	s BEAD, FERRITE
FB500	1-543-309-21	s BEAD, FERRITE
FB501	1-543-309-21	s BEAD, FERRITE
FL1	1-239-069-11	s FILTER, LOW-PASS
FL101	1-236-230-11	s FILTER, LOW-PASS
FL102	1-236-230-11	s FILTER, LOW-PASS
FL103	1-239-068-11	s FILTER, LOW-PASS
FL104	1-239-067-11	s FILTER, LOW-PASS
FL201	1-235-161-00	s FILTER, BANDPASS 3.58MHz
FL301	1-236-019-11	s FILTER, LOW-PASS
FL401	1-236-021-11	s FILTER, LOW-PASS
FL801	1-239-066-11	s FILTER, LOW-PASS
FL802	1-239-065-11	s FILTER, LOW-PASS
FL803	1-239-064-11	s FILTER, LOW-PASS
FL901	1-239-063-11	s FILTER, LOW-PASS
IC1	8-759-925-74	s IC TC74HC04NS
IC2	8-759-035-93	s IC TC7S32F-TE85L
IC3	8-759-925-76	s IC SN74HC08NS
IC4	8-759-983-74	s IC LM324NS
IC5	8-759-300-71	s IC HD14053BFP
IC6	8-759-262-03	s IC MC14577CF
IC7	8-752-052-77	s IC CXA1450M
IC8	8-759-300-71	s IC HD14053BFP
IC9	8-752-052-73	s IC CXA1451M
IC10	8-752-052-73	s IC CXA1451M
IC11	8-759-398-57	s IC LM1881MX
IC12	8-752-052-73	s IC CXA1451M
IC13	8-752-052-73	s IC CXA1451M
IC14	8-752-052-73	s IC CXA1451M
IC15	8-752-052-73	s IC CXA1451M

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC16	8-759-035-93	s IC TC7S32F-TE85L
IC17	8-759-035-93	s IC TC7S32F-TE85L
IC18	8-759-031-84	s IC TC7S04F
IC101	1-809-333-11	s IC H8D7151
IC103	1-809-333-11	s IC H8D7151
IC104	1-809-333-11	s IC H8D7151
IC105	8-759-030-16	s IC MC34182M
IC108	8-759-996-29	s IC MB40568
IC109	8-759-996-29	s IC MB40568
IC110	8-759-147-02	s IC UPD42101C-3
IC111	8-759-147-02	s IC UPD42101C-3
IC112	8-759-513-76	s IC CXD8161AQ
IC113	8-752-329-28	s IC CXD1151Q
IC114	8-752-363-43	s IC CXD1171M
IC115	8-752-363-43	s IC CXD1171M
IC116	8-759-710-88	s IC NJM431U
IC118	8-759-239-34	s IC TC74HC4538AF
IC120	8-759-030-16	s IC MC34182M
IC121	8-759-234-08	s IC TA78L05F
IC122	8-759-234-08	s IC TA78L05F
IC201	8-752-339-04	s IC CXD2208Q
#IC203	8-759-520-55	s IC CXD8243AM
IC204	8-759-031-84	s IC TC7S04F
IC205	8-759-030-16	s IC MC34182M
IC206	8-759-030-16	s IC MC34182M
IC207	8-759-008-67	s IC MC14066BF
IC208	8-759-014-29	s IC MC34184M
IC209	8-759-008-37	s IC MC74HC4050F
IC210	8-759-907-81	s IC SN74LS221NS
IC211	8-759-239-58	s IC TC74HC221AF
IC212	8-759-009-06	s IC MC14052BF
IC213	8-759-983-74	s IC LM324NS
IC214	8-759-008-67	s IC MC14066BF
IC215	8-759-030-16	s IC MC34182M
IC216	8-759-243-19	s IC TC7SU04F
IC217	8-759-031-84	s IC TC7S04F
IC218	8-759-234-77	s IC TC4S66F
IC219	8-759-035-93	s IC TC7S32F-TE85L
IC220	8-759-031-84	s IC TC7S04F
IC221	8-759-031-84	s IC TC7S04F
IC222	8-759-710-82	s IC NJM2406F
IC223	8-759-031-84	s IC TC7S04F
#IC301	1-809-331-21	s IC H8D7144F
IC302	8-752-052-76	s IC CXA1480Q
IC303	8-759-300-71	s IC HD14053BFP
#IC401	1-809-331-21	s IC H8D7144F
IC402	8-759-300-71	s IC HD14053BFP
IC501	8-759-925-74	s IC TC74HC04NS
IC502	8-759-983-69	s IC LM358PS
IC503	1-809-334-11	s IC H8D7184A
IC504	1-809-334-11	s IC H8D7184A
IC505	1-809-334-11	s IC H8D7184A
IC506	1-809-334-11	s IC H8D7184A
IC508	8-759-925-76	s IC SN74HC08NS
IC510	8-759-234-20	s IC TC7S08F
IC511	8-759-031-84	s IC TC7S04F
IC601	8-759-925-72	s IC SN74HC02NS
IC602	8-759-925-74	s IC TC74HC04NS
IC603	8-759-983-74	s IC LM324NS

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC604	8-759-009-06	s IC MC14052BF
IC605	8-752-030-66	s IC CXA1077M
IC606	8-752-052-75	s IC CXA1479Q
IC607	8-759-300-71	s IC HD14053BFP
IC609	8-759-300-71	s IC HD14053BFP
IC610	8-759-009-06	s IC MC14052BF
IC611	8-759-014-29	s IC MC34184M
IC612	8-759-927-46	s IC SN74HC00NS
IC613	8-759-983-95	s IC TL592BPS
IC614	8-759-031-84	s IC TC7S04F
IC702	8-752-030-66	s IC CXA1077M
IC703	8-752-052-75	s IC CXA1479Q
IC704	8-759-009-06	s IC MC14052BF
IC706	8-759-009-06	s IC MC14052BF
IC707	8-759-014-29	s IC MC34184M
IC708	8-759-983-95	s IC TL592BPS
IC801	8-752-052-48	s IC CXA1370Q
IC802	8-759-300-71	s IC HD14053BFP
IC803	1-809-333-11	s IC H8D7151
IC804	1-809-332-11	s IC H8D7169C
IC806	8-759-927-46	s IC SN74HC00NS
IC807	8-759-234-08	s IC TA78L05F
IC818	8-752-052-77	s IC CXA1450M
IC901	8-752-052-48	s IC CXA1370Q
IC902	1-809-333-11	s IC H8D7151
IC903	1-809-332-11	s IC H8D7169C
IC907	8-759-234-08	s IC TA78L05F
IC918	8-752-052-77	s IC CXA1450M
IC1001	8-759-239-34	s IC TC74HC4538AF
IC1002	8-759-925-90	s IC SN74HC74NS
IC1003	8-759-300-71	s IC HD14053BFP
IC1004	8-752-002-99	s IC CX20030
IC1005	8-759-233-94	s IC TA8607F
IC1006	8-759-035-93	s IC TC7S32F-TE85L
IC1007	8-759-234-20	s IC TC7S08F
L706	1-408-772-21	s INDUCTOR, CHIP 3.9uH
LV201	1-409-984-21	s COIL, VAR 8.2UH
Q1	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q2	8-729-101-07	s TRANSISTOR 2SB798
Q3	8-729-807-50	s TRANSISTOR 2SD1623-R
Q4	8-729-807-50	s TRANSISTOR 2SD1623-R
Q5	8-729-807-50	s TRANSISTOR 2SD1623-R
Q6	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q7	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q8	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q9	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q10	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q11	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q12	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q13	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q14	8-729-904-41	s TRANSISTOR FMY3
Q16	8-729-907-46	s TRANSISTOR IMZ1
Q17	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q18	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q19	8-729-140-63	s TRANSISTOR 2SA1611-M5M6
Q21	8-729-117-31	s TRANSISTOR 2SC4177-L5
Q101	8-729-140-63	s TRANSISTOR 2SA1611-M5M6

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q102	8-729-117-72	s	TRANSISTOR 2SC4178
Q103	8-729-117-72	s	TRANSISTOR 2SC4178
Q104	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q105	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q106	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q107	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q108	8-729-117-72	s	TRANSISTOR 2SC4178
Q109	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q110	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q111	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q112	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q113	8-729-905-18	s	TRANSISTOR DTC144EU
Q114	8-729-905-18	s	TRANSISTOR DTC144EU
Q115	8-729-422-44	s	TRANSISTOR 2SK663
Q116	8-729-422-44	s	TRANSISTOR 2SK663
Q117	8-729-905-18	s	TRANSISTOR DTC144EU
Q119	8-729-905-12	s	TRANSISTOR DTA144EU
Q201	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q202	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q203	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q204	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q205	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q206	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q207	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q208	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q209	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q210	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q211	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q212	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q213	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q214	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q215	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q216	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q218	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q219	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
#Q220	8-729-030-02	s	TRANSISTOR DTC144ESA
Q301	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q302	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q303	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q304	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q306	8-729-905-18	s	TRANSISTOR DTC144EU
Q307	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q308	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q309	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q310	8-729-905-18	s	TRANSISTOR DTC144EU
Q311	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q312	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q313	8-729-117-72	s	TRANSISTOR 2SC4178
Q314	8-729-117-72	s	TRANSISTOR 2SC4178
Q315	8-729-117-72	s	TRANSISTOR 2SC4178
Q317	8-729-905-18	s	TRANSISTOR DTC144EU
Q402	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q403	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q404	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q405	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q406	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q407	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q408	8-729-905-18	s	TRANSISTOR DTC144EU
Q409	8-729-117-31	s	TRANSISTOR 2SC4177-L5

NOTE1: Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q410	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q412	8-729-117-72	s	TRANSISTOR 2SC4178
Q413	8-729-117-72	s	TRANSISTOR 2SC4178
Q414	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q415	8-729-905-18	s	TRANSISTOR DTC144EU
Q417	8-729-905-18	s	TRANSISTOR DTC144EU
Q418	8-729-117-72	s	TRANSISTOR 2SC4178
Q419	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q420	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q500	8-729-117-72	s	TRANSISTOR 2SC4178
Q501	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q502	8-729-117-72	s	TRANSISTOR 2SC4178
Q503	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q504	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q505	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q506	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q507	8-729-117-72	s	TRANSISTOR 2SC4178
Q508	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q509	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q510	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q511	8-729-905-18	s	TRANSISTOR DTC144EU
Q512	8-729-905-12	s	TRANSISTOR DTA144EU
Q513	8-729-905-18	s	TRANSISTOR DTC144EU
Q514	8-729-905-12	s	TRANSISTOR DTA144EU
Q515	8-729-117-72	s	TRANSISTOR 2SC4178
Q516	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q517	8-729-117-72	s	TRANSISTOR 2SC4178
Q518	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q519	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q520	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q521	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q522	8-729-117-72	s	TRANSISTOR 2SC4178
Q523	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q524	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q525	8-729-209-07	s	TRANSISTOR 2SC4213-B
Q526	8-729-807-50	s	TRANSISTOR 2SD1623-R
Q527	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q528	8-729-807-50	s	TRANSISTOR 2SD1623-R
Q529	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q601	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q602	8-729-101-07	s	TRANSISTOR 2SB798
Q603	8-729-807-50	s	TRANSISTOR 2SD1623-R
Q604	8-729-807-50	s	TRANSISTOR 2SD1623-R
Q605	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q606	8-729-905-18	s	TRANSISTOR DTC144EU
Q607	8-729-117-72	s	TRANSISTOR 2SC4178
Q608	8-729-117-72	s	TRANSISTOR 2SC4178
Q609	8-729-117-72	s	TRANSISTOR 2SC4178
Q610	8-729-117-72	s	TRANSISTOR 2SC4178
Q611	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q612	8-729-117-72	s	TRANSISTOR 2SC4178
Q613	8-729-117-72	s	TRANSISTOR 2SC4178
Q614	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q615	8-729-117-72	s	TRANSISTOR 2SC4178
Q617	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q618	8-729-117-72	s	TRANSISTOR 2SC4178
Q619	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q620	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q621	8-729-117-72	s	TRANSISTOR 2SC4178

NOTE2: For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q622	8-729-117-72	s	TRANSISTOR 2SC4178
Q623	8-729-117-72	s	TRANSISTOR 2SC4178
Q624	8-729-117-72	s	TRANSISTOR 2SC4178
Q626	8-729-117-72	s	TRANSISTOR 2SC4178
Q627	8-729-117-72	s	TRANSISTOR 2SC4178
Q628	8-729-117-72	s	TRANSISTOR 2SC4178
Q630	8-729-907-46	s	TRANSISTOR IMZ1
Q631	8-729-905-12	s	TRANSISTOR DTA144EU
Q632	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q633	8-729-117-72	s	TRANSISTOR 2SC4178
Q701	8-729-905-18	s	TRANSISTOR DTC144EU
Q702	8-729-117-72	s	TRANSISTOR 2SC4178
Q703	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q704	8-729-117-72	s	TRANSISTOR 2SC4178
Q705	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q706	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q707	8-729-117-72	s	TRANSISTOR 2SC4178
Q708	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q709	8-729-117-72	s	TRANSISTOR 2SC4178
Q710	8-729-905-18	s	TRANSISTOR DTC144EU
Q712	8-729-117-72	s	TRANSISTOR 2SC4178
Q713	8-729-117-72	s	TRANSISTOR 2SC4178
Q714	8-729-117-72	s	TRANSISTOR 2SC4178
Q730	8-729-907-46	s	TRANSISTOR IMZ1
Q731	8-729-905-12	s	TRANSISTOR DTA144EU
Q732	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q801	8-729-117-72	s	TRANSISTOR 2SC4178
Q802	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q803	8-729-905-12	s	TRANSISTOR DTA144EU
Q804	8-729-117-72	s	TRANSISTOR 2SC4178
Q805	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q806	8-729-905-12	s	TRANSISTOR DTA144EU
Q807	8-729-117-72	s	TRANSISTOR 2SC4178
Q808	8-729-905-12	s	TRANSISTOR DTA144EU
Q809	8-729-905-18	s	TRANSISTOR DTC144EU
Q810	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q811	8-729-905-12	s	TRANSISTOR DTA144EU
Q812	8-729-905-12	s	TRANSISTOR DTA144EU
Q813	8-729-905-18	s	TRANSISTOR DTC144EU
Q814	8-729-905-12	s	TRANSISTOR DTA144EU
Q815	8-729-117-72	s	TRANSISTOR 2SC4178
Q816	8-729-117-72	s	TRANSISTOR 2SC4178
Q817	8-729-117-72	s	TRANSISTOR 2SC4178
Q818	8-729-117-72	s	TRANSISTOR 2SC4178
Q819	8-729-907-46	s	TRANSISTOR IMZ1
Q821	8-729-117-72	s	TRANSISTOR 2SC4178
Q822	8-729-117-72	s	TRANSISTOR 2SC4178
Q823	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q824	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q825	8-729-117-72	s	TRANSISTOR 2SC4178
Q826	8-729-117-72	s	TRANSISTOR 2SC4178
Q827	8-729-117-72	s	TRANSISTOR 2SC4178
Q901	8-729-117-72	s	TRANSISTOR 2SC4178
Q902	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q903	8-729-905-12	s	TRANSISTOR DTA144EU
Q904	8-729-117-72	s	TRANSISTOR 2SC4178
Q905	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q906	8-729-905-12	s	TRANSISTOR DTA144EU
Q907	8-729-905-12	s	TRANSISTOR DTA144EU

NOTE1: Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q908	8-729-905-12	s	TRANSISTOR DTA144EU
Q909	8-729-117-72	s	TRANSISTOR 2SC4178
Q910	8-729-117-72	s	TRANSISTOR 2SC4178
Q913	8-729-117-72	s	TRANSISTOR 2SC4178
Q914	8-729-117-72	s	TRANSISTOR 2SC4178
Q915	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q916	8-729-143-07	s	TRANSISTOR 2SA1610-YY33
Q917	8-729-117-72	s	TRANSISTOR 2SC4178
Q918	8-729-117-72	s	TRANSISTOR 2SC4178
Q919	8-729-117-72	s	TRANSISTOR 2SC4178
Q1001	8-729-101-07	s	TRANSISTOR 2SB798
Q1002	8-729-117-31	s	TRANSISTOR 2SC4177-L5
Q1003	8-729-117-72	s	TRANSISTOR 2SC4178
Q1004	8-729-117-72	s	TRANSISTOR 2SC4178
Q1005	8-729-117-72	s	TRANSISTOR 2SC4178
Q1006	8-729-117-72	s	TRANSISTOR 2SC4178
Q1007	8-729-117-72	s	TRANSISTOR 2SC4178
Q1008	8-729-905-12	s	TRANSISTOR DTA144EU
Q1009	8-729-905-18	s	TRANSISTOR DTC144EU
Q1010	8-729-117-72	s	TRANSISTOR 2SC4178
Q1011	8-729-117-72	s	TRANSISTOR 2SC4178
Q1012	8-729-905-18	s	TRANSISTOR DTC144EU
Q1013	8-729-905-12	s	TRANSISTOR DTA144EU
Q1014	8-729-905-18	s	TRANSISTOR DTC144EU
Q1015	8-729-905-18	s	TRANSISTOR DTC144EU
Q1017	8-729-905-12	s	TRANSISTOR DTA144EU
R24	1-218-271-11	s	METAL, CHIP 2K 5% 1/16W
R36	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R38	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R47	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R49	1-218-271-11	s	METAL, CHIP 2K 5% 1/16W
R55	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R61	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R64	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R65	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R68	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R69	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R70	1-216-795-11	s	METAL, CHIP 6.8K 0.50% 1/16W
R75	1-218-670-11	s	METAL, CHIP 120 0.50% 1/16W
R76	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R81	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R87	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R91	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R97	1-218-285-11	s	METAL, CHIP 75 5% 1/16W
R103	1-218-720-11	s	METAL, CHIP 15K 0.50% 1/16W
R116	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R119	1-218-345-11	s	METAL, CHIP 9.1K 5% 1/16W
R136	1-218-700-11	s	METAL, CHIP 2.2K 0.50% 1/16W
R139	1-218-345-11	s	METAL, CHIP 9.1K 5% 1/16W
R145	1-218-724-11	s	METAL, CHIP 22K 0.50% 1/16W
R148	1-218-707-11	s	METAL, CHIP 4.3K 0.50% 1/16W
R150	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R152	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R153	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W
R161	1-218-288-11	s	METAL, CHIP 300 5% 1/16W
R162	1-218-697-11	s	METAL, CHIP 1.6K 0.50% 1/16W
R171	1-218-680-11	s	METAL, CHIP 330 0.50% 1/16W
R172	1-218-716-11	s	METAL, CHIP 10K 0.50% 1/16W

NOTE2: For the # marked parts in the parts list, please refer to Section 14 Changed Parts.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R173	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R187	1-218-736-11	s METAL, CHIP 68K 0.50% 1/16W
R188	1-218-733-11	s METAL, CHIP 51K 0.50% 1/16W
R205	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R206	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R234	1-218-290-11	s METAL, CHIP 6.2K 5% 1/16W
R245	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R246	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R254	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R267	1-218-290-11	s METAL, CHIP 6.2K 5% 1/16W
R268	1-218-675-11	s METAL, CHIP 200 0.50% 1/16W
R270	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R276	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R281	1-218-482-11	s METAL, CHIP 430 5% 1/16W
R302	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R309	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R326	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R345	1-218-922-11	s METAL, CHIP 3.26K 0.10% 1/16W
R351	1-218-707-11	s METAL, CHIP 4.3K 0.50% 1/16W
R352	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
R369	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R374	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R376	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R388	1-218-296-11	s METAL, CHIP 75K 5% 1/16W
R389	1-218-484-11	s METAL, CHIP 750 5% 1/16W
R398	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R399	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R423	1-218-922-11	s METAL, CHIP 3.26K 0.10% 1/16W
R429	1-218-290-11	s METAL, CHIP 6.2K 5% 1/16W
R430	1-218-344-11	s METAL, CHIP 7.5K 0.50% 1/16W
R447	1-218-740-11	s METAL, CHIP 100K 0.50% 1/16W
R455	1-218-484-11	s METAL, CHIP 750 5% 1/16W
R456	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R465	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R466	1-220-373-11	s METAL, CHIP 62K 0.50% 1/16W
R468	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R469	1-218-271-11	s METAL, CHIP 2K 5% 1/16W
R471	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R477	1-218-271-11	s METAL, CHIP 2K 5% 1/16W
R498	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R499	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R502	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R504	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R516	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R529	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R532	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R543	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R614	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R639	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R640	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R643	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R644	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R649	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R671	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R674	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R678	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R691	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R692	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R694	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W

NOTE1: Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R701	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R722	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R723	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R724	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R726	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R729	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R754	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R755	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R757	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R771	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R793	1-218-484-11	s METAL, CHIP 750 5% 1/16W
R817	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R818	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R820	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R824	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R829	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R830	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R854	1-218-288-11	s METAL, CHIP 300 5% 1/16W
R873	1-218-922-11	s METAL, CHIP 3.26K 0.10% 1/16W
R914	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
R915	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R920	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R921	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R923	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R925	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R939	1-218-714-11	s METAL, CHIP 8.2K 0.50% 1/16W
R953	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R954	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R958	1-218-922-11	s METAL, CHIP 3.26K 0.10% 1/16W
R1053	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R1067	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R1068	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R1069	1-218-728-11	s METAL, CHIP 33K 0.50% 1/16W
R1084	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R1085	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R1086	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R1087	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R1088	1-218-744-11	s METAL, CHIP 150K 0.50% 1/16W
R1104	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R1204	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
RV1	1-237-037-11	s RES, ADJ METAL 20K
RV2	1-237-037-11	s RES, ADJ METAL 20K
RV3	1-237-032-11	s RES, ADJ METAL 500
RV5	1-237-032-11	s RES, ADJ METAL 500
RV7	1-237-033-11	s RES, ADJ METAL 1K
RV8	1-237-032-11	s RES, ADJ METAL 500
RV9	1-237-032-11	s RES, ADJ METAL 500
RV10	1-237-032-11	s RES, ADJ METAL 500
RV101	1-237-034-11	s RES, ADJ METAL 2K
RV102	1-237-032-11	s RES, ADJ METAL 500
RV103	1-237-034-11	s RES, ADJ METAL 2K
RV104	1-237-032-11	s RES, ADJ METAL 500
RV105	1-237-036-11	s RES, ADJ METAL 10K
RV106	1-237-036-11	s RES, ADJ METAL 10K
RV107	1-237-035-11	s RES, ADJ METAL 5K
RV201	1-237-034-11	s RES, ADJ METAL 2K
RV203	1-237-037-11	s RES, ADJ METAL 20K
RV204	1-237-037-11	s RES, ADJ METAL 20K
RV206	1-237-037-11	s RES, ADJ METAL 20K

NOTE2: For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV207	1-237-037-11	s RES, ADJ METAL 20K
RV208	1-237-037-11	s RES, ADJ METAL 20K
RV209	1-237-037-11	s RES, ADJ METAL 20K
RV210	1-237-037-11	s RES, ADJ METAL 20K
RV211	1-237-037-11	s RES, ADJ METAL 20K
RV212	1-237-037-11	s RES, ADJ METAL 20K
RV301	1-237-037-11	s RES, ADJ METAL 20K
RV302	1-237-035-11	s RES, ADJ METAL 5K
RV303	1-237-037-11	s RES, ADJ METAL 20K
RV304	1-237-037-11	s RES, ADJ METAL 20K
RV306	1-237-034-11	s RES, ADJ METAL 2K
RV307	1-237-035-11	s RES, ADJ METAL 5K
RV308	1-237-035-11	s RES, ADJ METAL 5K
RV309	1-237-035-11	s RES, ADJ METAL 5K
RV310	1-237-035-11	s RES, ADJ METAL 5K
RV311	1-237-036-11	s RES, ADJ METAL 10K
RV312	1-237-036-11	s RES, ADJ METAL 10K
RV313	1-237-036-11	s RES, ADJ METAL 10K
RV314	1-237-037-11	s RES, ADJ METAL 20K
RV401	1-237-037-11	s RES, ADJ METAL 20K
RV406	1-237-034-11	s RES, ADJ METAL 2K
RV407	1-237-035-11	s RES, ADJ METAL 5K
RV408	1-237-035-11	s RES, ADJ METAL 5K
RV409	1-237-035-11	s RES, ADJ METAL 5K
RV410	1-237-035-11	s RES, ADJ METAL 5K
RV411	1-237-036-11	s RES, ADJ METAL 10K
RV412	1-237-036-11	s RES, ADJ METAL 10K
RV413	1-237-036-11	s RES, ADJ METAL 10K
RV414	1-237-037-11	s RES, ADJ METAL 20K
RV501	1-237-030-11	s RES, ADJ METAL 100
RV502	1-237-030-11	s RES, ADJ METAL 100
RV503	1-237-030-11	s RES, ADJ METAL 100
RV504	1-237-030-11	s RES, ADJ METAL 100
RV511	1-237-034-11	s RES, ADJ METAL 2K
RV512	1-237-034-11	s RES, ADJ METAL 2K
RV513	1-237-034-11	s RES, ADJ METAL 2K
RV514	1-237-034-11	s RES, ADJ METAL 2K
RV521	1-237-034-11	s RES, ADJ METAL 2K
RV522	1-237-034-11	s RES, ADJ METAL 2K
RV523	1-237-034-11	s RES, ADJ METAL 2K
RV524	1-237-034-11	s RES, ADJ METAL 2K
RV531	1-237-034-11	s RES, ADJ METAL 2K
RV532	1-237-034-11	s RES, ADJ METAL 2K
RV533	1-237-034-11	s RES, ADJ METAL 2K
RV534	1-237-034-11	s RES, ADJ METAL 2K
RV541	1-237-034-11	s RES, ADJ METAL 2K
RV542	1-237-034-11	s RES, ADJ METAL 2K
RV543	1-237-034-11	s RES, ADJ METAL 2K
RV544	1-237-034-11	s RES, ADJ METAL 2K
RV601	1-237-038-11	s RES, ADJ METAL 50K
RV602	1-237-038-11	s RES, ADJ METAL 50K
RV603	1-237-038-11	s RES, ADJ METAL 50K
RV604	1-237-038-11	s RES, ADJ METAL 50K
RV605	1-237-033-11	s RES, ADJ METAL 1K
RV606	1-237-038-11	s RES, ADJ METAL 50K
RV607	1-237-038-11	s RES, ADJ METAL 50K
RV608	1-237-038-11	s RES, ADJ METAL 50K
RV609	1-237-038-11	s RES, ADJ METAL 50K
RV610	1-237-033-11	s RES, ADJ METAL 1K

NOTE1: Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

(VRP-1 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV611	1-237-033-11	s RES, ADJ METAL 1K
RV612	1-237-037-11	s RES, ADJ METAL 20K
RV613	1-237-037-11	s RES, ADJ METAL 20K
RV614	1-237-036-11	s RES, ADJ METAL 10K
RV701	1-237-038-11	s RES, ADJ METAL 50K
RV702	1-237-038-11	s RES, ADJ METAL 50K
RV703	1-237-038-11	s RES, ADJ METAL 50K
RV704	1-237-038-11	s RES, ADJ METAL 50K
RV705	1-237-033-11	s RES, ADJ METAL 1K
RV706	1-237-038-11	s RES, ADJ METAL 50K
RV707	1-237-038-11	s RES, ADJ METAL 50K
RV708	1-237-038-11	s RES, ADJ METAL 50K
RV709	1-237-038-11	s RES, ADJ METAL 50K
RV710	1-237-033-11	s RES, ADJ METAL 1K
RV711	1-237-033-11	s RES, ADJ METAL 1K
RV712	1-237-037-11	s RES, ADJ METAL 20K
RV713	1-237-039-11	s RES, ADJ METAL 100K
RV801	1-237-038-11	s RES, ADJ METAL 50K
RV802	1-237-036-11	s RES, ADJ METAL 10K
RV803	1-237-036-11	s RES, ADJ METAL 10K
RV804	1-237-035-11	s RES, ADJ METAL 5K
RV805	1-237-035-11	s RES, ADJ METAL 5K
RV806	1-237-038-11	s RES, ADJ METAL 50K
RV807	1-237-033-11	s RES, ADJ METAL 1K
RV901	1-237-038-11	s RES, ADJ METAL 50K
RV902	1-237-036-11	s RES, ADJ METAL 10K
RV903	1-237-036-11	s RES, ADJ METAL 10K
RV904	1-237-036-11	s RES, ADJ METAL 10K
RV905	1-237-036-11	s RES, ADJ METAL 10K
RV906	1-237-038-11	s RES, ADJ METAL 50K
RV907	1-237-034-11	s RES, ADJ METAL 2K
RV1001	1-237-036-11	s RES, ADJ METAL 10K
S1	1-553-977-00	s SWITCH, SLIDE
S2	1-570-134-11	s SWITCH, SLIDE
S201	1-572-658-21	s SWITCH, ROTARY
#T501	1-423-659-11	s TRANSFORMER, RF OUTPUT
#T502	1-423-659-11	s TRANSFORMER, RF OUTPUT
#T503	1-423-659-11	s TRANSFORMER, RF OUTPUT
#T504	1-423-659-11	s TRANSFORMER, RF OUTPUT
#X201	1-760-267-11	s VCO, CRYSTAL 14.318180MHz
X202	1-567-864-11	s CRYSTAL 10.737635MHz

NOTE2: For the # marked parts in the parts list, please refer to Section 14 Changed Parts.

FRAME

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6050-765-A	s HEAD DRUM ASS'Y, DBH-21A-R
1pc	A-6762-451-A	s ROTARY UPPER DRUM ASS'Y, DBR-21-R
1pc	A-6050-786-A	s BRUSH ASS'Y
1pc	1-810-715-11	s SENSOR, DEW CONDENSATION
1pc	3-200-506-01	s BRACKET, DEW SENSOR
1pc	1-948-401-12	s HARNESS (CS25-CS26) CN1F (to CS-25 BOARD) CN2F (to CS-26 BOARD)
CN1F	1-569-196-11	o HOUSING, 3P
	1-569-193-11	o CONTACT, FEMALE AWG24-30
CN2F	1-569-196-11	o HOUSING, 3P
	1-569-193-11	o CONTACT, FEMALE AWG24-30
CB1001	Δ 1-532-525-31	s BREAKER, CIRCUIT 6.3A 125V
CN1001	1-561-336-00	s CONNECTOR, BNC, FEMALE "VIDEO IN"
CN1002	1-561-336-00	s CONNECTOR, BNC, FEMALE "SC IN"
CN1003	1-561-336-00	s CONNECTOR, BNC, FEMALE "VIDEO OUT 1"
CN1004	1-561-336-00	s CONNECTOR, BNC, FEMALE "VIDEO OUT 2"
CN1005	1-561-336-00	s CONNECTOR, BNC, FEMALE "TC OUT"
CN1006	1-561-336-00	s CONNECTOR, BNC, FEMALE "TC IN"
CN1007	1-566-616-11	s CONNECTOR, 4-XLR 3P, FEMALE "AUDIO IN" (FOR UC)
	1-566-617-11	s CONNECTOR, 4-XLR 3P, MALE "AUDIO IN" (FOR J)
CN1008	1-566-617-11	s CONNECTOR, 4-XLR 3P, MALE "AUDIO OUT" (FOR UC)
	1-566-616-11	s CONNECTOR, 4-XLR 3P, FEMALE "AUDIO OUT" (FOR J)
CN1009	1-537-142-11	s TERMINAL, RFU
CN1010	1-563-890-21	s CONNECTOR, D-SUB 9P, FEMALE "REMOTE"
CN1011	1-562-245-00	s CONNECTOR, CIRCULAR 26P, FEMALE "CAMERA"
CN1012	1-562-160-00	s CONNECTOR, CIRCULAR 12P, FEMALE "DUB COMPONENT OUT"
CN1013	1-565-072-11	s CONNECTOR, CIRCULAR 4P, FEMALE "EXT DC OUT"
CN1014	1-564-603-11	s CONNECTOR, XLR 4P, WITH SWITCH, MALE "EXT DC IN"
F1001	Δ 1-532-749-11	s FUSE, 8A 125V
F1002	Δ 1-532-749-11	s FUSE, 8A 125V
H1004	8-825-772-61	s HEAD, ERASE EF291-21A "FULL ERASE"
H1006	8-825-554-83	s HEAD, CTL PS244-21B "CTL"

(FRAME)

Ref. No. or Q'ty	Part No.	SP Description
J1001	1-507-743-21	s JACK, MINI STEREO "PHONES"
J1002	1-507-863-51	s JACK, PHONE STEREO "PHONES"
J1003	1-507-905-00	s JACK, DC POWER "BP-90"
L1001	1-543-316-21	s HEAD, SENSING (SMALL TYPE) "TAPE TOP A SENSOR"
L1002	1-543-316-21	s HEAD, SENSING (SMALL TYPE) "TAPE TOP B SENSOR"
L1003	1-543-316-21	s HEAD, SENSING (SMALL TYPE) "TAPE END SENSOR"
M1001	A-6737-186-B	s MOTOR ASS'Y, DRUM
M1002	8-835-437-01	s MOTOR, DC SCV-0201A "CAPSTAN"
M1003	8-835-441-01	s MOTOR R432276751A "T-REEL"
M1004	8-835-440-01	s MOTOR DN20-Q7Z1B "THREADING"
M1005	8-835-441-01	s MOTOR R432276751A "S-REEL"
M1006	8-835-179-01	s MOTOR, DC MCB2B15 "CASSETTE COMPARTMENT"
ME1001	1-520-495-11	s METER, LEVEL "CH-1/R-Y"
ME1002	1-520-495-11	s METER, LEVEL "CH-2/B-Y"
ME1003	1-520-495-11	s METER, LEVEL "CH-3/Y"
ME1004	1-520-495-41	s METER, LEVEL "CH-4/VIDEO/BATT"
PM1001	1-454-334-61	s SOLENOID "T-REEL BRAKE"
PM1002	1-454-334-61	s SOLENOID "S-REEL BRAKE"
PM1003	1-454-383-21	s SOLENOID "PINCH"
RV1001	1-241-522-11	s RES, VAR CARBON 10K "PHONES LEVEL"
RV1002	1-241-521-11	s RES, VAR CARBON 5K "VIDEO LEVEL"
S1001	1-554-355-00	s SWITCH, TOGGLE "POWER"

NOTE : Please see page 13-30 through 13-32 for the parts that are not listed in the parts list.

NOTE : For the parts marked # in the parts list, refer to "Section 14 Changed Parts".

13-4. PACKING MATERIALS and SUPPLIED ACCESSORIES

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-6772-548-A	o EXTENSION CABLE, EX-299
1pc	3-171-976-03	s CASE, CARRYING
1pc	3-704-296-01	o BAG (STANDARD), PROTECTION

13-5. OPTIONAL FIXTURE

Part No.	SP Description
J-6001-820-A	o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (3)
J-6001-830-A	o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (2)
J-6001-840-A	o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (1)
J-6035-070-A	o EXTRACTION TOOL
J-6327-850-A	o DIAL TENSION GAUGE (50g)
J-6327-930-A	o TENSION MEASUREMENT TAPE
J-6080-840-A	o SMALL MIRROR
J-6086-570-A	o REFERENCE FLAT PLATE
J-6087-000-A	o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (5)
J-6031-830-A	o MULTI CONNECTOR CABLE (DOBNC)
J-6031-840-B	o MULTI CONNECTOR CABLE (CIBNC)
J-6152-450-A	o WIRE CLEARANCE GAUGE SET
J-6190-800-A	o TENSION REGULATOR VERTICAL CHECK TOOL
J-6321-280-A	o TORQUE METER
J-6321-500-A	o TAPE GUIDE ADJUSTMENT DRIVER
J-6325-530-A	o UPPER DRUM ECCENTRICITY ADJUSTMENT TOOL (6)
J-6326-530-A	o CASSETTE REFERENCE PLATE (L)
J-6329-350-A	o REEL TABLE HEIGHT GAUGE
2-034-697-00	o CLEANING PIECE
3-702-390-01	o DIHEDRAL SCREWDRIVER (4)
7-432-114-11	o LOCKING COMPOUND (200g)
7-661-018-18	o MITSUBISHI DIAMOND MACHINE OIL HYDRO FLUID NT-68 (50ml)
7-662-001-41	o MOLYTON GREASE, No.1 (30g)
7-662-010-04	o SONY GREASE, SGL-505 (20g)
8-960-096-01	o ALIGNMENT TAPE, CR2-1B
8-960-096-41	o ALIGNMENT TAPE, CR5-1B
8-960-097-44	o ALIGNMENT TAPE, CR5-2A
8-960-097-45	o ALIGNMENT TAPE, CR8-1A
9-911-053-00	o THICKNESS GAUGE
9-919-573-01	o CLEANING FLUID
STANDARD PRODUCTS	HEAD DEMAGNETIZER
STANDARD PRODUCTS	TENTELOMETER (T2-H7-UMC)

NOTE1: Please see page 13-30 through 13-32 for the parts
that are not listed in the parts list.

BVW-50

NOTE2: For the # marked parts in the parts list, please
refer to Section 14 Changed Parts.

Section 14

Changed Part

NOTE: The numbers identified by making with) are matching with each serial numbers.

202) Serial No.10576 and higher (for J)
Serial No.10773 and higher (for UC)

204) Serial No.10606 and higher (for J)
Serial No.10863 and higher (for UC)

205) Serial No.10666 and higher (for J)
Serial No.10941 and higher (for UC)

207) Serial No.10696 and higher (for J)
Serial No.11013 and higher (for UC)

208) Serial No.10716 and higher (for J)
Serial No.11075 and higher (for UC)

209) Serial No.10766 and higher (for J)
Serial No.11119 and higher (for UC)

210) Serial No.10826 and higher (for J)
Serial No.11214 and higher (for UC)

211) Serial No.10846 and higher (for J)
Serial No.11282 and higher (for UC)

212) Serial No.11332 and higher (for UC)

301) Serial No.10856 and higher (for J)
Serial No.11426 and higher (for UC)

305) Serial No.10916 and higher (for J)
Serial No.11638 and higher (for UC)

306) Serial No.10946 and higher (for J)
Serial No.11675 and higher (for UC)

307) Serial No.10966 and higher (for J)
Serial No.11790 and higher (for UC)

308) Serial No.11006 and higher (for J)
Serial No.11827 and higher (for UC)

310) Serial No.11016 and higher (for J)
Serial No.11957 and higher (for UC)

401) Serial No.11046 and higher (for J)
Serial No.12067 and higher (for UC)

403) Serial No.11066 and higher (for J)
Serial No.12177 and higher (for UC)

405) Serial No.11086 and higher (for J)
Serial No.12277 and higher (for UC)

501) Serial No.11186 and higher (for J)
Serial No.12557 and higher (for UC)

601) Serial No.11386 and higher (for J)
Serial No.12932 and higher (for UC)

609) Serial No.11526 and higher (for J)
Serial No.13202 and higher (for UC)

711) Serial No.11816 and higher (for J)
Serial No.13422 and higher (for UC)

801) Serial No.11816 and higher (for J)
Serial No.13442 and higher (for UC)

804) Serial No.11816 and higher (for J)
Serial No.13447 and higher (for UC)

806) Serial No.11836 and higher (for J)
Serial No.13467 and higher (for UC)

901) Serial No.11856 and higher (for J)
Serial No.13587 and higher (for UC)

AU-142 BOARD

OLD) 0pc NOT IN USE.
205) 2pcs 3-555-872-21 o SPACER

OLD) C101 NOT IN USE.
205) C101 1-164-315-11 s CERAMIC, CHIP 470PF 10% 50V
OLD) C504 1-135-181-21 s TANTALUM, CHIP 4.7uF 10% 6.3V
205) C504 1-135-189-11 s TANTALUM, CHIP 4.7uF 20% 6.3V
OLD) C687 1-164-227-11 s CERAMIC, CHIP 0.022uF 10% 25V
207) C687 1-162-970-11 s CERAMIC, CHIP 0.01uF 10% 25V

OLD) C903 1-135-180-21 s TANTALUM, CHIP 3.3uF 10% 10V
205) C903 1-135-208-11 s TANTALUM, CHIP 1uF 20% 10V
OLD) C904 1-135-180-21 s TANTALUM, CHIP 3.3uF 10% 10V
212) C904 1-135-208-11 s TANTALUM, CHIP 1uF 20% 10V

OLD) D910 NOT IN USE.
310) D910 8-719-123-85 s DIODE 1SS304
OLD) D911 NOT IN USE.
310) D911 8-719-123-85 s DIODE 1SS304

OLD) IC101 NOT IN USE.
205) IC101 8-759-209-57 s IC TC4S69F
OLD) IC102 NOT IN USE.
205) IC102 8-759-209-57 s IC TC4S69F
OLD) IC503 8-759-940-45 s IC S-8054HN-CB
806) IC503 8-759-542-91 s IC S-80840ANUP-ED4

OLD) R101 NOT IN USE.
205) R101 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
OLD) R102 NOT IN USE.
205) R102 1-218-720-11 s METAL, CHIP 15K 0.50% 1/16W
OLD) R625 1-216-844-11 s METAL, CHIP 82K 5% 1/16W
205) R625 1-218-736-11 s METAL, CHIP 68K 0.50% 1/16W

OLD) R675 1-216-844-11 s METAL, CHIP 82K 5% 1/16W
205) R675 1-218-736-11 s METAL, CHIP 68K 0.50% 1/16W
OLD) R901 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
205) R901 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
301) R901 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
305) R901 1-216-839-11 s METAL, CHIP 33K 5% 1/16W

OLD) R902 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
305) R902 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
OLD) R903 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
205) R903 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
OLD) R904 1-216-833-11 s METAL, CHIP 10K 5% 1/16W
212) R904 1-216-839-11 s METAL, CHIP 33K 5% 1/16W

CP-164/CP-164J BOARD

OLD) C1003 1-162-963-11 s CERAMIC, CHIP 680PF 10% 50V
307) C1003 1-164-218-11 s CERAMIC, CHIP 180PF 5% 50V

KY-207 BOARD

OLD) D111 8-719-941-23 s DIODE DA204U
403) D111 8-719-914-42 s DIODE DA204K
OLD) D112 8-719-109-51 s DIODE RD2.0ES-B2
804) D112 8-719-036-65 s DIODE RD2.0SB-T1
OLD) D202 8-719-941-23 s DIODE DA204U
403) D202 8-719-914-42 s DIODE DA204K

OLD) Q101 8-729-116-42 s TRANSISTOR 2SD1164-L
804) Q101 8-729-101-47 s TRANSISTOR 2SD1164-Z-L

PSW-12/PSW-12J BOARD

OLD) R114 1-216-839-11 s METAL, CHIP 33K 5% 1/16W
405) R114 1-216-838-11 s METAL, CHIP 27K 5% 1/16W

SST-1 BOARD

OLD) 1pc A-6715-451-A o MOUNTED CIRCUIT BOARD, SST-1
801) 1pc A-6715-451-B o MOUNTED CIRCUIT BOARD, SST-1

OLD) C6 NOT IN USE.
211) C6 1-162-889-11 s CAP, CERAMIC 680PF 5% 50V
801) C6 1-162-963-11 s CERAMIC, CHIP 680PF 10% 50V
OLD) C71 NOT IN USE.
801) C71 1-162-927-11 s CERAMIC, CHIP 100PF 5% 50V

OLD) C72 NOT IN USE.
801) C72 1-164-156-11 s CERAMIC, CHIP 0.1uF 25V

OLD) CV200 1-141-331-11 s CAP, TRIMMER, CHIP 30PF
204) CV200 1-141-424-11 s CAP, TRIMMER, CHIP 30PF
OLD) CV201 1-141-331-11 s CAP, TRIMMER, CHIP 30PF
204) CV201 1-141-424-11 s CAP, TRIMMER, CHIP 30PF

OLD) IC6 -PENDING- s IC HD6475328CP10
207) IC6 8-759-098-31 s IC HD6435328-RB83M
OLD) IC12 1-808-506-12 s IC SENSOR, CONDENSATION
801) IC12 NOT IN USE.
OLD) IC13 8-759-941-78 s IC S-8053ALB
310) IC13 8-759-922-48 s IC S-8052ALY

OLD) IC71 NOT IN USE.
801) IC71 8-759-260-53 s IC LM2903PW
OLD) IC520 8-752-330-61 s IC CXK1013P
308) IC520 8-752-348-02 s IC CXK1023P
OLD) IC525 8-752-323-63 s IC CXK5816M-10L
212) IC525 8-759-054-54 s IC SRM2016M10

OLD) IC527 8-759-066-83 o IC 27C512-BVW50NV2.2, EPROM
204) IC527 8-759-094-21 o IC 27C512-BVW50NV2.3, EPROM
207) IC527 8-759-160-10 o IC 27C512-BVW50NV2.4, EPROM

OLD) Q629,631,633,635,637,639
8-729-143-79 s TRANSISTOR 2SK738
901) Q629,631,633,635,637,639
8-729-049-56 s TRANSISTOR 2SK2415

OLD) R37 NOT IN USE.
801) R37 1-216-845-11 s RES, CHIP 100K 5% 1/16W
OLD) R73 NOT IN USE.
801) R73 1-216-831-11 s RES, CHIP 6.8K 5% 1/16W
OLD) R74 NOT IN USE.
801) R74 1-216-829-11 s RES, CHIP 4.7K 5% 1/16W

OLD) R75 NOT IN USE.
801) R75 1-216-820-11 s RES, CHIP 820 5% 1/16W
OLD) R76 NOT IN USE.
801) R76 1-216-840-11 s RES, CHIP 39K 5% 1/16W
OLD) R77 NOT IN USE.
801) R77 1-218-697-11 s MATAL, CHIP 1.6K 0.5% 1/16W

OLD) R78 NOT IN USE.
801) R78 1-216-847-11 s RES, CHIP 150K 5% 1/16W
OLD) R79 NOT IN USE.
801) R79 1-216-833-11 s RES, CHIP 10K 5% 1/16W

TBC-19 BOARD

OLD) D202 NOT IN USE.
205) D202 8-719-911-19 s DIODE 1SS119
211) D202 NOT IN USE.

OLD) IC509 8-759-513781 s IC CXD8160Q
609) IC509 8-759-399-52 s IC CXD8935BQ

OLD) R115 1-218-708-11 s METAL, CHIP 4.7K 0.50% 1/16W
209) R115 1-218-706-11 s METAL, CHIP 3.9K 0.50% 1/16W
OLD) R219 1-218-298-11 s METAL, CHIP 2.2K 1% 1/16W
205) R219 1-218-701-11 s METAL, CHIP 2.4K 0.50% 1/16W
212) R219 1-218-700-11 s METAL, CHIP 2.2K 0.50% 1/16W

OLD) R233 NOT IN USE.
205) R233 1-215-452-00 s METAL 20K 1% 1/6W
211) R233 NOT IN USE.
OLD) R234 NOT IN USE.
205) R234 1-215-441-00 s METAL 6.8K 1% 1/6W
211) R234 NOT IN USE.

OLD) R336 1-218-290-11 s METAL, CHIP 6.2K 5% 1/16W
209) R336 1-218-344-11 s METAL, CHIP 7.5K 5% 1/16W
307) R336 1-218-290-11 s METAL, CHIP 6.2K 5% 1/16W
OLD) R384 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
601) R384 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W

OLD) R439 1-216-827-11 s METAL, CHIP 3.3K 5% 1/16W
601) R439 1-216-825-11 s METAL, CHIP 2.2K 5% 1/16W

OLD) X601 1-577-089-11 s VCO, CRYSTAL 14.318180MHz
401) X601 1-760-267-11 s VCO, CRYSTAL 14.318180MHz
OLD) X602 1-577-089-11 s VCO, CRYSTAL 14.318180MHz
401) X602 1-760-267-11 s VCO, CRYSTAL 14.318180MHz

VR-118 BOARD

OLD) IC301 8-759-512-08 s IC NJM2068M-D
208) IC301 8-759-981-54 s IC RC2041MD
OLD) IC305 8-759-512-08 s IC NJM2068M-D
208) IC305 8-759-981-54 s IC RC2041MD

VRP-1 BOARD

OLD)	C174	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
209)	C174	NOT IN USE.	
OLD)	C175	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
209)	C175	NOT IN USE.	
OLD)	D201	8-719-907-19	s DIODE FC52M-5
501)	D201	8-719-049-00	s DIODE KV1362A-1
OLD)	IC203	8-759-513-14	s IC CXD8243M
901)	IC203	8-759-520-55	s IC CXD8243AM
OLD)	IC301	1-809-331-11	s IC H8D7144E
205)	IC301	1-809-331-21	s IC H8D7144F
OLD)	IC401	1-809-331-11	s IC H8D7144E
205)	IC401	1-809-331-21	s IC H8D7144F
OLD)	Q220	NOT IN USE.	
711)	Q220	8-729-030-02	s TRANSISTOR DTC144ESA
OLD)	T501	1-427-545-11	s TRANSFORMER, RF OUTPUT
305)	T501	1-423-659-11	s TRANSFORMER, RF OUTPUT
OLD)	T502	1-427-545-11	s TRANSFORMER, RF OUTPUT
305)	T502	1-423-659-11	s TRANSFORMER, RF OUTPUT
OLD)	T503	1-427-545-11	s TRANSFORMER, RF OUTPUT
305)	T503	1-423-659-11	s TRANSFORMER, RF OUTPUT
OLD)	T504	1-427-545-11	s TRANSFORMER, RF OUTPUT
305)	T504	1-423-659-11	s TRANSFORMER, RF OUTPUT
OLD)	X201	1-577-089-11	s VCO, CRYSTAL 14.318180MHz
401)	X201	1-760-267-11	s VCO, CRYSTAL 14.318180MHz

このマニュアルに記載されている事柄の著作権は当社にあり、説明内容は機器購入者の使用を目的としています。

従って、当社の許可なしに無断で複写したり、説明内容(操作、保守等)と異なる目的で本マニュアルを使用することを禁止します。

The material contained in this manual consists of information that is the property of Sony Corporation and is intended solely for use by the purchasers of the equipment described in this manual.

Sony Corporation expressly prohibits the duplication of any portion of this manual or the use thereof for any purpose other than the operation or maintenance of the equipment described in this manual without the express written permission of Sony Corporation.

Le matériel contenu dans ce manuel consiste en informations qui sont la propriété de Sony Corporation et sont destinées exclusivement à l'usage des acquéreurs de l'équipement décrit dans ce manuel.

Sony Corporation interdit formellement la copie de quelque partie que ce soit de ce manuel ou son emploi pour tout autre but que des opérations ou entretiens de l'équipement à moins d'une permission écrite de Sony Corporation.

Das in dieser Anleitung enthaltene Material besteht aus Informationen, die Eigentum der Sony Corporation sind, und ausschließlich zum Gebrauch durch den Käufer der in dieser Anleitung beschriebenen Ausrüstung bestimmt sind.

Die Sony Corporation untersagt ausdrücklich die Vervielfältigung jeglicher Teile dieser Anleitung oder den Gebrauch derselben für irgendeinen anderen Zweck als die Bedienung oder Wartung der in dieser Anleitung beschriebenen Ausrüstung ohne ausdrückliche schriftliche Erlaubnis der Sony Corporation.

